

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082818\
 Data File : VX004268.D
 Acq On : 28 Aug 2018 10:46
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/29/2018 5:51:18 PM

Quant Time: Aug 28 16:58:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 14:20:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	377790	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	527561	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	466245	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	305917	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	221146	44.91	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	89.82%	
35) Dibromofluoromethane	5.50	113	196440	50.05	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.10%	
50) Toluene-d8	8.71	98	740158	49.96	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.92%	
62) 4-Bromofluorobenzene	11.14	95	273313	49.44	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	225016	51.42	ug/l	99
3) Chloromethane	1.32	50	221424	45.81	ug/l	99
4) Vinyl Chloride	1.41	62	239972	48.48	ug/l	100
5) Bromomethane	1.64	94	92961	37.60	ug/l	99
6) Chloroethane	1.71	64	154972	47.88	ug/l	98
7) Trichlorofluoromethane	1.93	101	333124	49.11	ug/l	99
8) Diethyl Ether	2.19	74	143328	49.34	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.38	101	210723	49.60	ug/l	99
10) Methyl Iodide	2.51	142	180934	38.79	ug/l	99
11) Tert butyl alcohol	3.07	59	249130	237.35	ug/l	99
12) 1,1-Dichloroethene	2.37	96	193520	48.35	ug/l	95
13) Acrolein	2.29	56	62396	246.58	ug/l	98
14) Allyl chloride	2.73	41	356468	48.48	ug/l	98
15) Acrylonitrile	3.15	53	595943	229.26	ug/l	99
16) Acetone	2.45	43	502629	250.06	ug/l	99
17) Carbon Disulfide	2.57	76	518339	46.69	ug/l	100
18) Methyl Acetate	2.78	43	384929	52.68	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	664593	50.39	ug/l	100
20) Methylene Chloride	2.85	84	219486	46.31	ug/l	100
21) trans-1,2-Dichloroethene	3.16	96	210102	47.43	ug/l	99
22) Diisopropyl ether	3.87	45	657225	47.87	ug/l	98
23) Vinyl Acetate	3.82	43	2668838	239.84	ug/l	99
24) 1,1-Dichloroethane	3.70	63	386583	48.32	ug/l	100
25) 2-Butanone	4.70	43	787953	238.69	ug/l	99
26) 2,2-Dichloropropane	4.58	77	316948	50.51	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	240682	47.90	ug/l	96
28) Bromochloromethane	5.02	49	164450	46.42	ug/l	97
29) Tetrahydrofuran	5.16	42	499392	236.05	ug/l	99
30) Chloroform	5.21	83	385902	48.10	ug/l	97
31) Cyclohexane	5.57	56	341297	49.44	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	329589	49.27	ug/l	100
36) 1,1-Dichloropropene	5.79	75	300456	50.66	ug/l	99
37) Ethyl Acetate	4.86	43	288912	49.53	ug/l	99
38) Carbon Tetrachloride	5.78	117	289248	51.84	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 14:20:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	356930	52.71	ug/l	98
40) Benzene	6.14	78	885597	49.97	ug/l	97
41) Methacrylonitrile	5.06	41	170960	50.56	ug/l	99
42) 1,2-Dichloroethane	6.20	62	295363	48.86	ug/l	99
43) Isopropyl Acetate	6.46	43	468657	52.29	ug/l	99
44) Trichloroethene	7.21	130	246352	50.22	ug/l	94
45) 1,2-Dichloropropane	7.52	63	226052	50.96	ug/l	99
46) Dibromomethane	7.66	93	145658	49.32	ug/l	98
47) Bromodichloromethane	7.90	83	287038	52.23	ug/l	100
48) Methyl methacrylate	7.77	41	249364	51.99	ug/l	98
49) 1,4-Dioxane	7.76	88	107587	988.04	ug/l	100
51) 4-Methyl-2-Pentanone	8.65	43	1567037	240.63	ug/l	99
52) Toluene	8.79	92	576218	51.94	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	330226	54.41	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	361203	54.63	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	230239	51.41	ug/l	98
56) Ethyl methacrylate	9.18	69	340339	55.83	ug/l	99
57) 1,3-Dichloropropane	9.37	76	384469	50.93	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	884597	283.20	ug/l	99
59) 2-Hexanone	9.50	43	1211672	243.88	ug/l	99
60) Dibromochloromethane	9.59	129	233970	53.63	ug/l	99
61) 1,2-Dibromoethane	9.68	107	236611	51.06	ug/l	100
64) Tetrachloroethene	9.34	164	245515	53.30	ug/l	96
65) Chlorobenzene	10.14	112	602861	51.52	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.23	131	215239	53.33	ug/l	98
67) Ethyl Benzene	10.25	91	1031527	54.28	ug/l	98
68) m/p-Xylenes	10.36	106	803867	108.18	ug/l	99
69) o-Xylene	10.70	106	397210	56.51	ug/l	96
70) Styrene	10.71	104	642145	56.42	ug/l	96
71) Bromoform	10.86	173	173561	53.35	ug/l	98
73) Isopropylbenzene	11.02	105	1071242	53.32	ug/l	96
74) N-amyl acetate	10.90	43	411885	53.24	ug/l	# 90
75) 1,1,2,2-Tetrachloroethane	11.27	83	348032	49.50	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	317821m	52.93	ug/l	
77) Bromobenzene	11.26	156	296940	52.68	ug/l	97
78) n-propylbenzene	11.36	91	1295728	56.07	ug/l	99
79) 2-Chlorotoluene	11.42	91	754459	53.04	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	932814	56.06	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	104193	54.34	ug/l	97
82) 4-Chlorotoluene	11.51	91	892986	53.35	ug/l	100
83) tert-Butylbenzene	11.77	119	937763	56.02	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	969195	56.74	ug/l	100
85) sec-Butylbenzene	11.95	105	1128701	56.79	ug/l	99
86) p-Isopropyltoluene	12.07	119	1012990	56.87	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	552289	52.05	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	563786	50.52	ug/l	99
89) n-Butylbenzene	12.39	91	817503	56.44	ug/l	98
90) Hexachloroethane	12.60	117	134932	54.20	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	509534	52.54	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	63788	51.51	ug/l	97

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VSTDCCC050

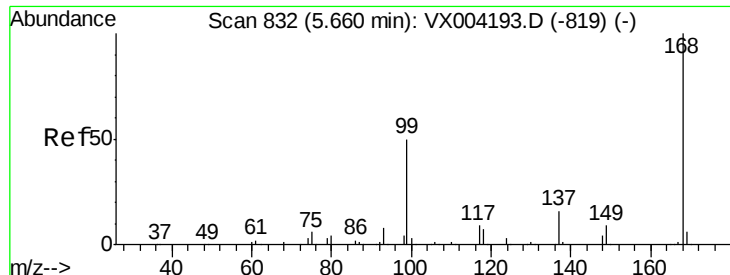
Manual Integrations
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8/29/2018 5:51:18 PM

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Quant Title : SW846 8260
QLast Update : Wed Aug 22 14:20:03 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	370563	52.51	ug/l	97
94) Hexachlorobutadiene	13.79	225	175352	53.42	ug/l	98
95) Naphthalene	13.83	128	1102480	55.24	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	393659	52.70	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



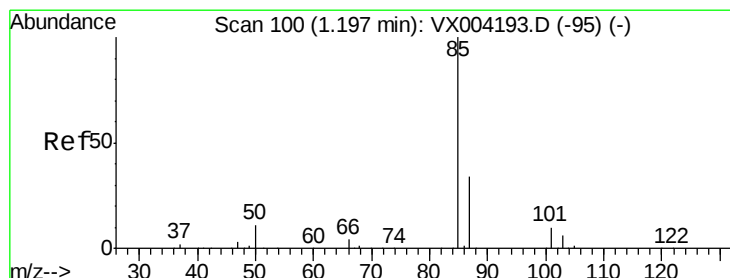
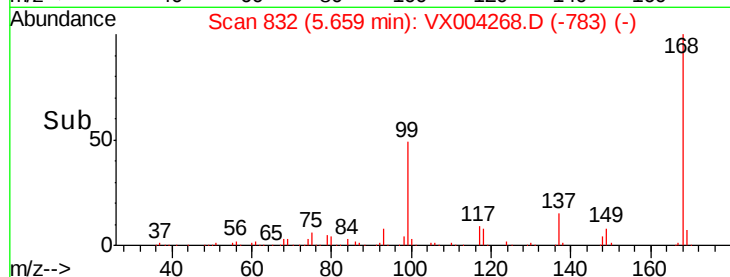
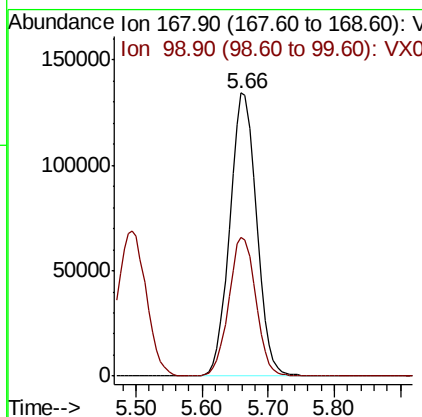
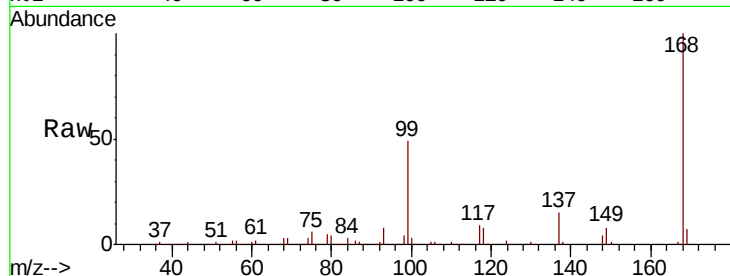
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.66 min Scan# 832
Delta R.T. -0.00 min
Lab File: VX004268.D
Acq: 28 Aug 2018 10:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
168	100		
99	49.0	40.1	60.1

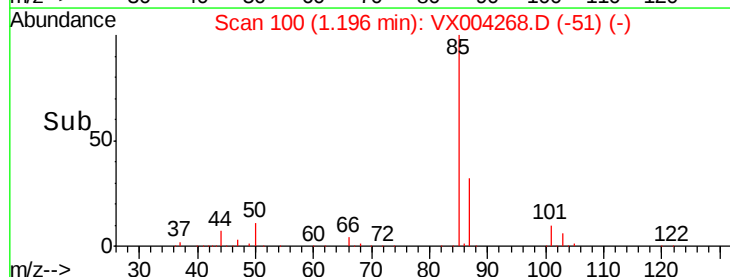
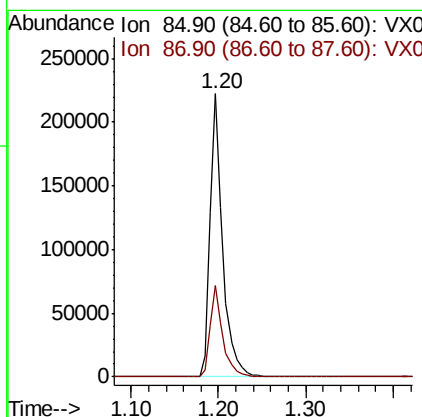
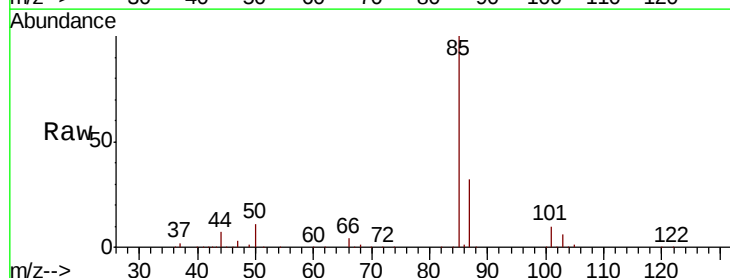
Manual Integrations
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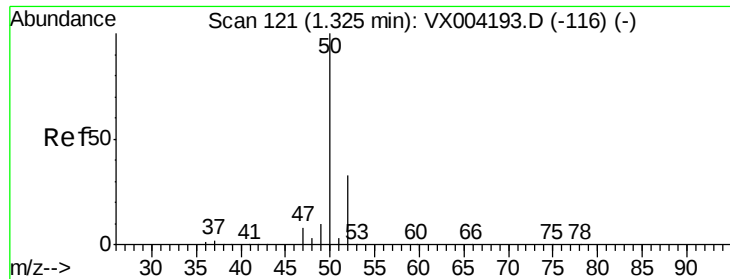
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#2
Dichlorodifluoromethane
Concen: 51.42 ug/l
RT: 1.20 min Scan# 100
Delta R.T. -0.00 min
Lab File: VX004268.D
Acq: 28 Aug 2018 10:46

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.4	16.0	48.0





#3

Chloromethane

Concen: 45.81 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX004268.D

Acq: 28 Aug 2018 10:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 221424

Ion Ratio Lower Upper

50 100

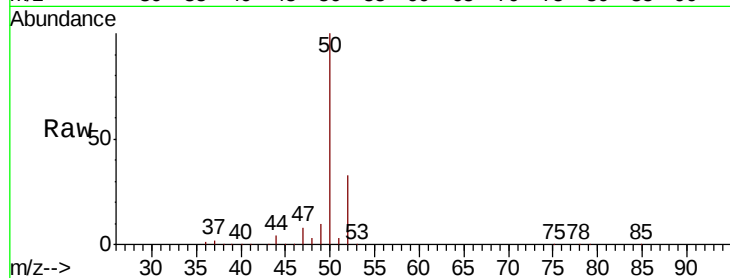
52 32.8 26.6 39.8

Manual Integrations

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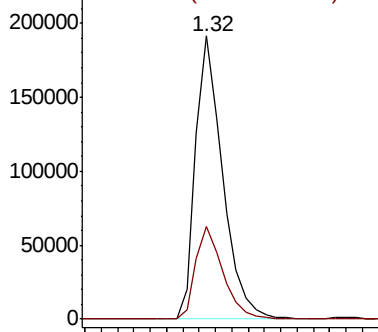
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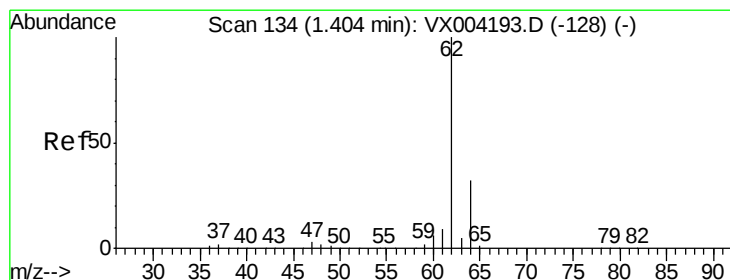
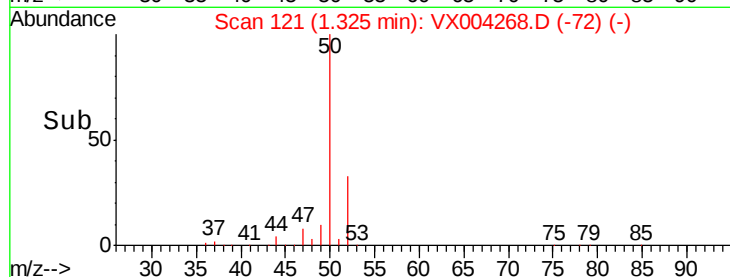


Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



Time-->



#4

Vinyl Chloride

Concen: 48.48 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX004268.D

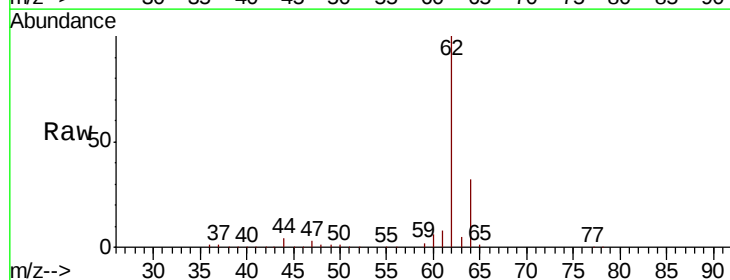
Acq: 28 Aug 2018 10:46

Tgt Ion: 62 Resp: 239972

Ion Ratio Lower Upper

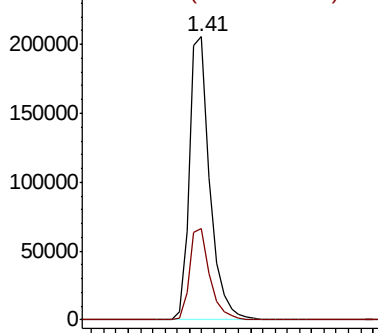
62 100

64 32.3 26.0 39.0

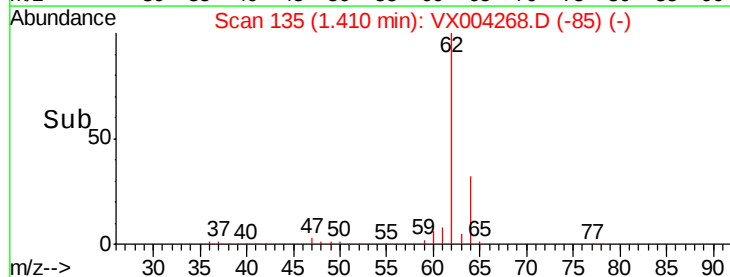


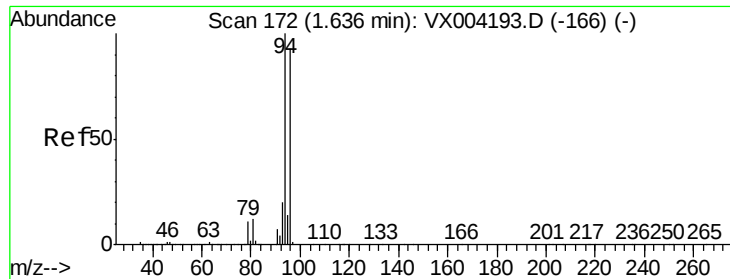
Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



Time-->





#5

Bromomethane

Concen: 37.60 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX004268.D

Acq: 28 Aug 2018 10:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 92961

Ion Ratio Lower Upper

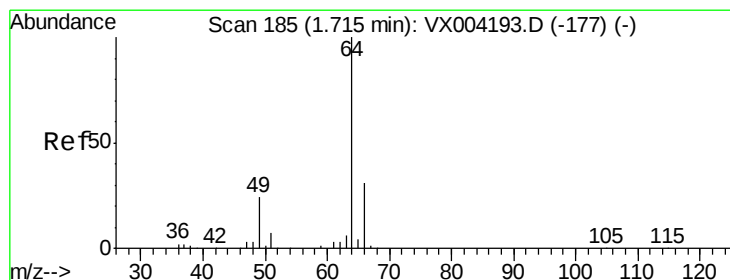
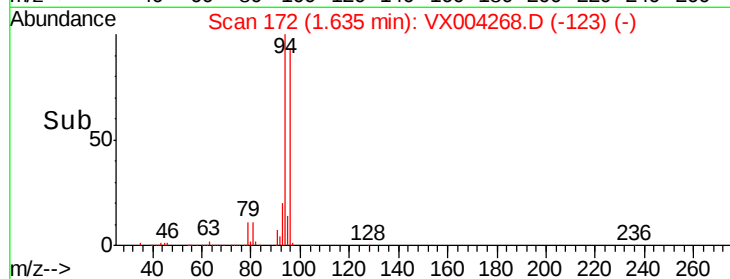
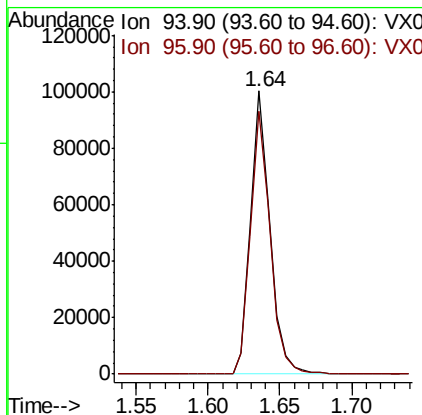
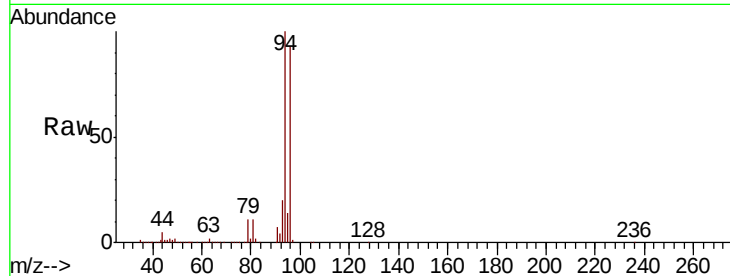
94 100

96 92.9 75.2 112.8

Manual Integrations
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#6

Chloroethane

Concen: 47.88 ug/l

RT: 1.71 min Scan# 185

Delta R.T. -0.00 min

Lab File: VX004268.D

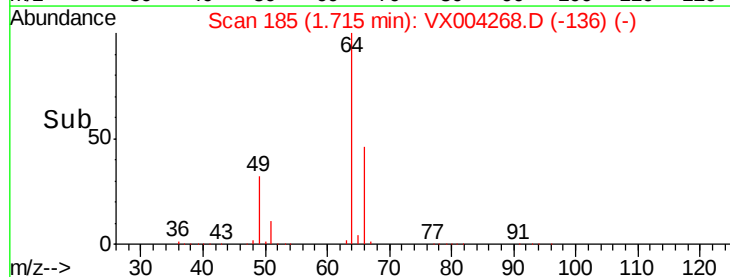
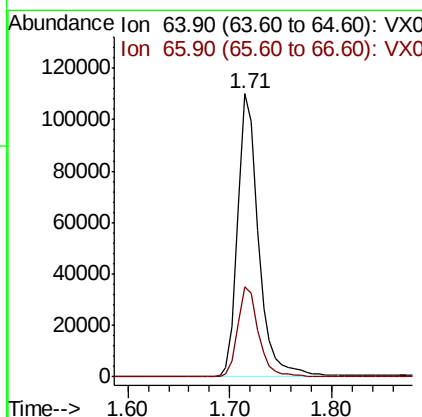
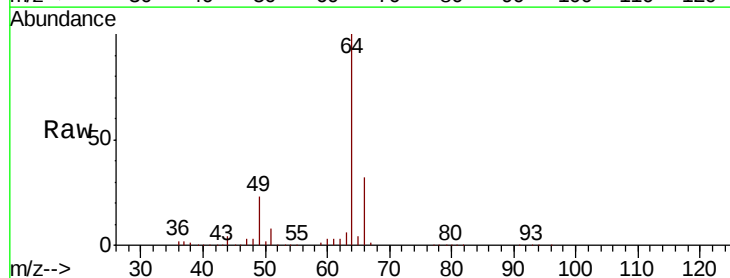
Acq: 28 Aug 2018 10:46

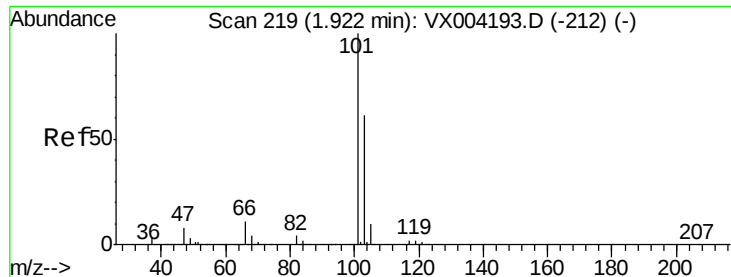
Tgt Ion: 64 Resp: 154972

Ion Ratio Lower Upper

64 100

66 31.9 26.5 39.7





#7

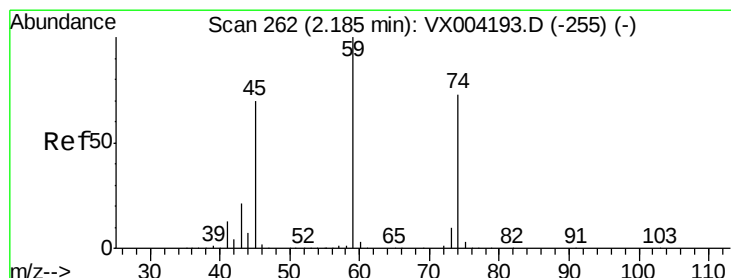
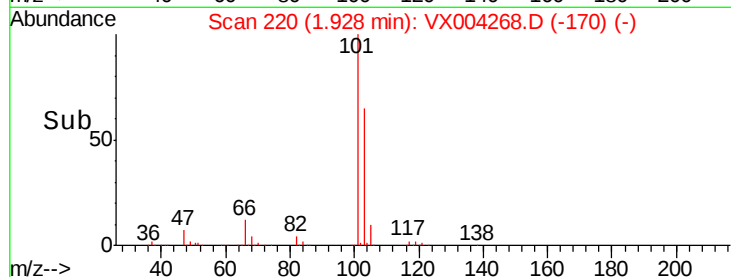
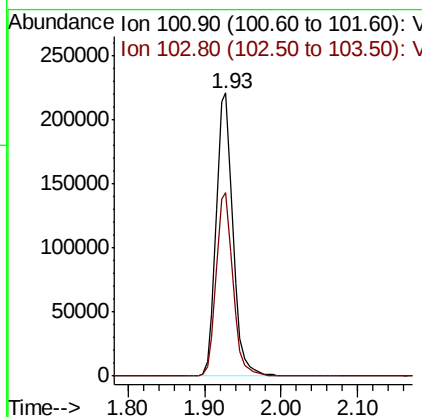
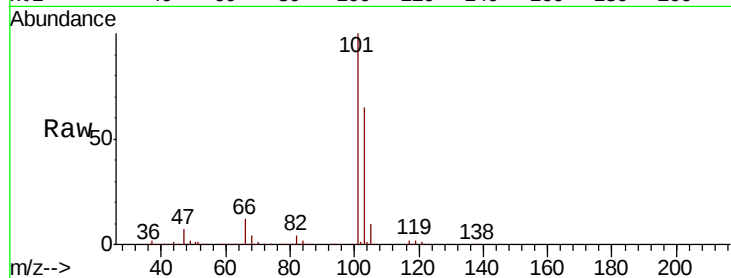
Trichlorofluoromethane
 Concen: 49.11 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: VX004268.D
 Acq: 28 Aug 2018 10:46

Instrument :
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 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		333124		
103	64.9	52.3	78.5		

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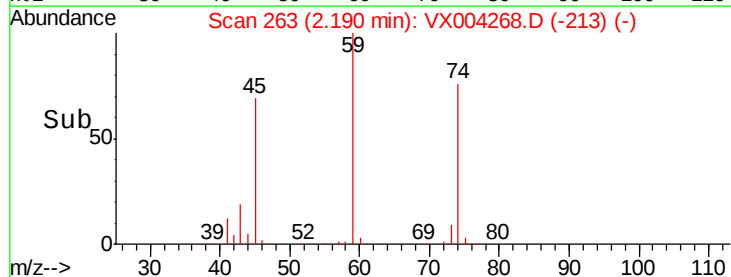
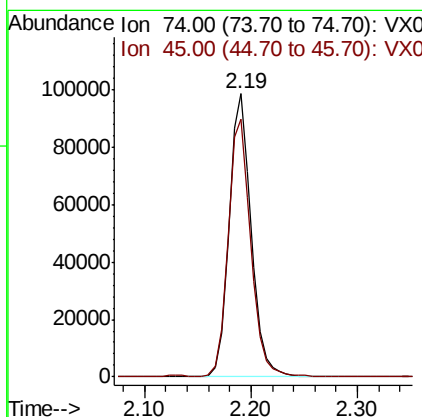
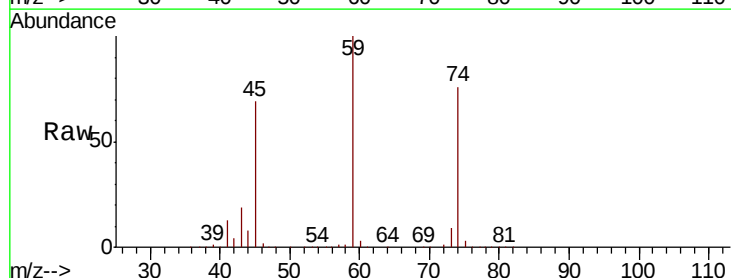
MMDadoda
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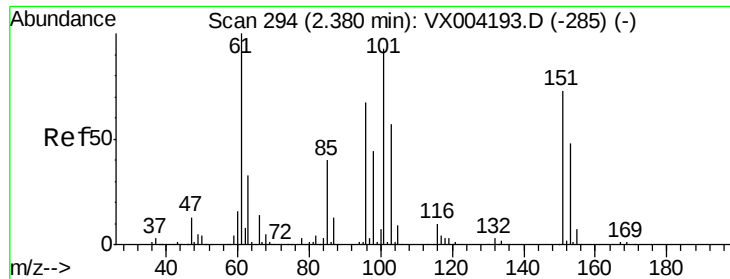


#8

Diethyl Ether
 Concen: 49.34 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.01 min
 Lab File: VX004268.D
 Acq: 28 Aug 2018 10:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		143328		
45	92.8	48.3	144.9		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.60 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.00 min

Lab File: VX004268.D

Acq: 28 Aug 2018 10:46

Instrument :

MSVOA_X

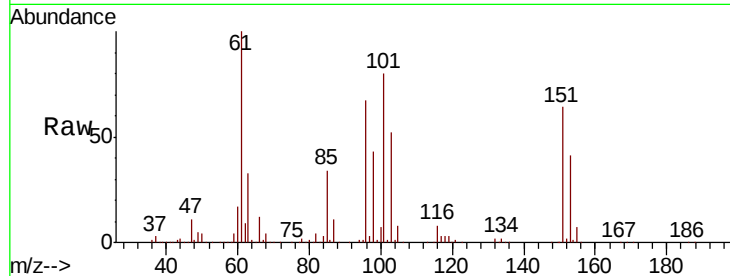
ClientSampleId :

VSTDCCC050

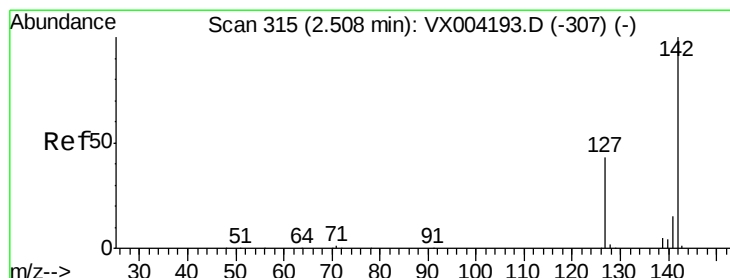
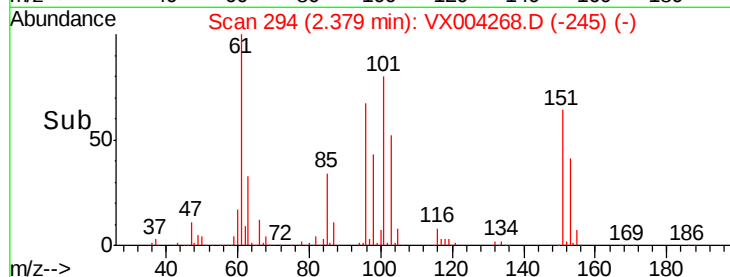
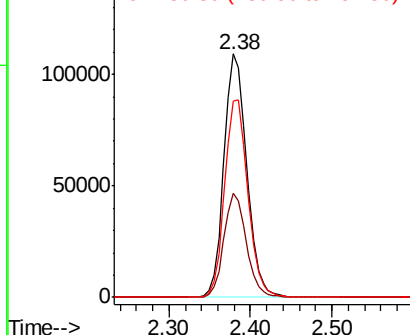
Tot Ion:	101	Resp:	210723
Ion Ratio	Lower	Upper	
101	100		
85	42.2	34.2	51.4
151	82.6	65.0	97.4

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 38.79 ug/l

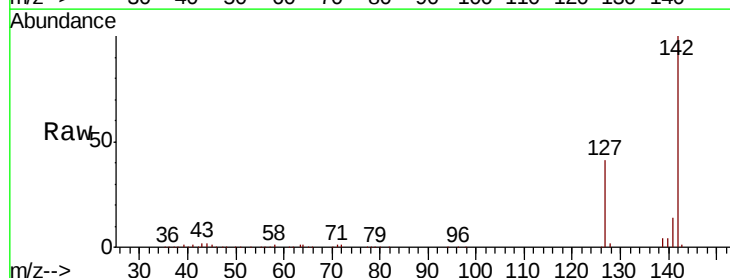
RT: 2.51 min Scan# 315

Delta R.T. 0.00 min

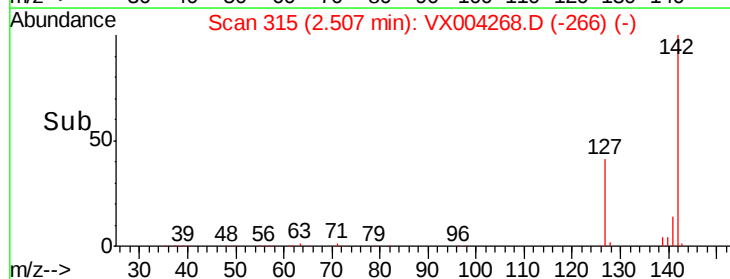
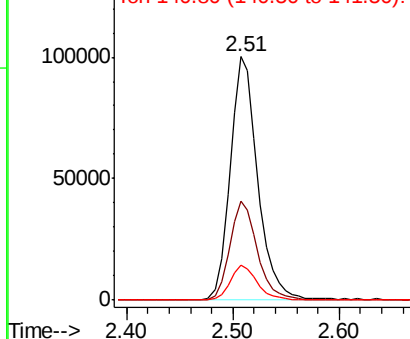
Lab File: VX004268.D

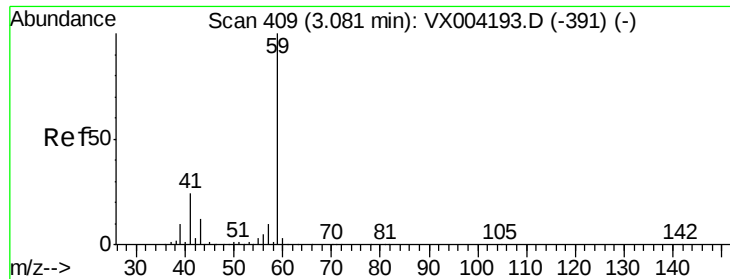
Acq: 28 Aug 2018 10:46

Tgt Ion:	142	Resp:	180934
Ion Ratio	Lower	Upper	
142	100		
127	41.0	33.1	49.7
141	14.2	11.1	16.7



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

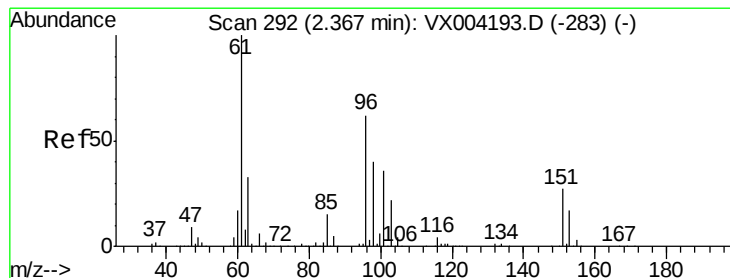
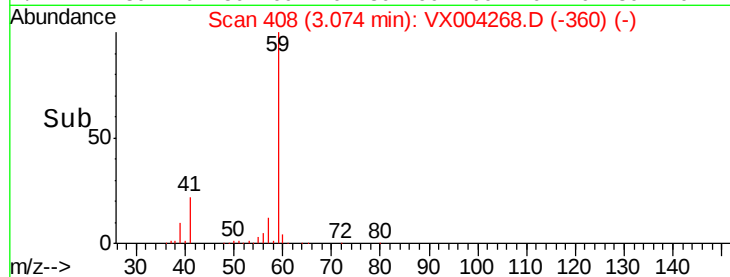
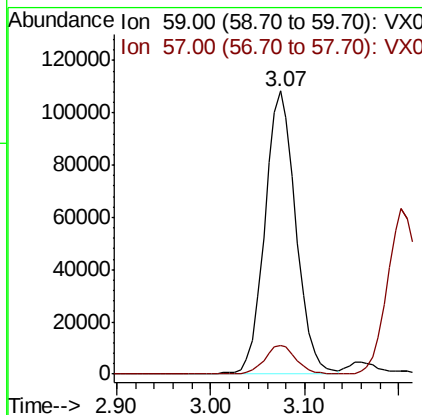
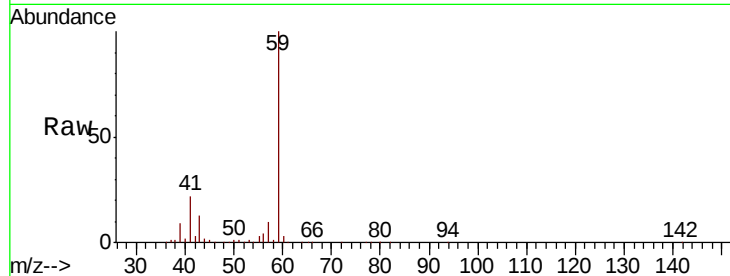
Tert butyl alcohol
 Concen: 237.35 ug/l
 RT: 3.07 min Scan# 408
 Delta R.T. -0.01 min
 Lab File: VX004268.D
 Acq: 28 Aug 2018 10:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.1	12.1

Manual Integrations
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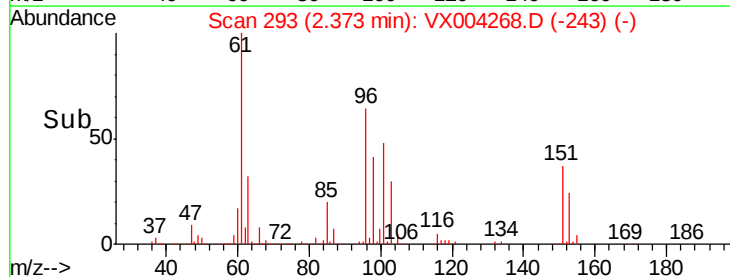
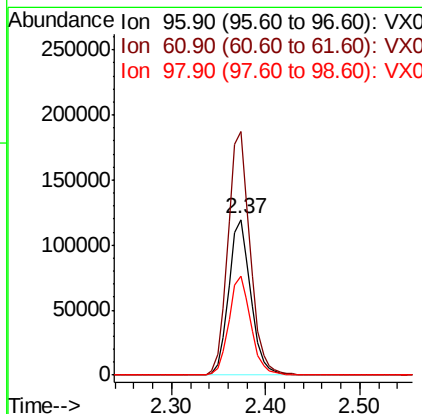
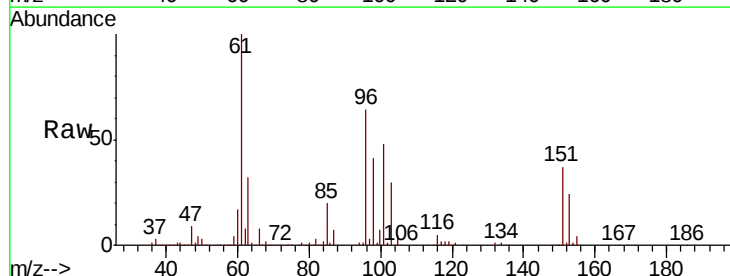
MMDadoda
 8/29/2018 5:51:18 PM

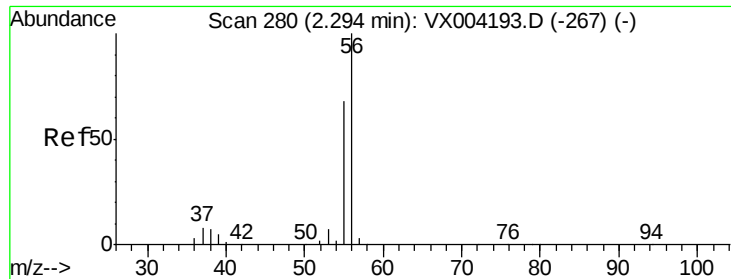


#12

1,1-Dichloroethene
 Concen: 48.35 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. 0.01 min
 Lab File: VX004268.D
 Acq: 28 Aug 2018 10:46

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.2	131.3	196.9
98	63.7	51.8	77.6





#13

Acrolein

Concen: 246.58 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX004268.D

Acq: 28 Aug 2018 10:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 62396

Ion Ratio Lower Upper

56 100

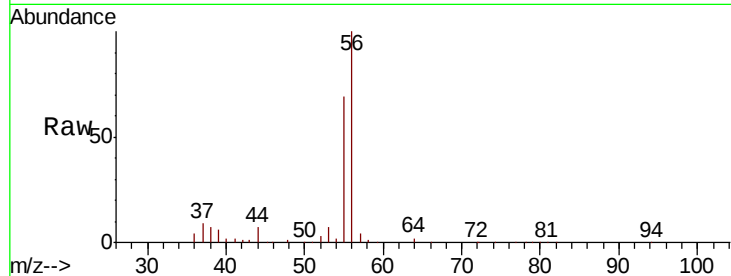
55 68.8 56.1 84.1

Manual Integrations

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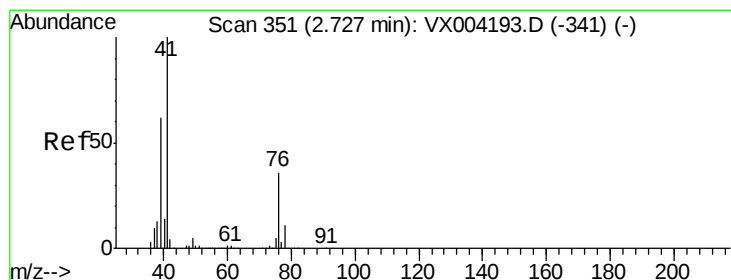
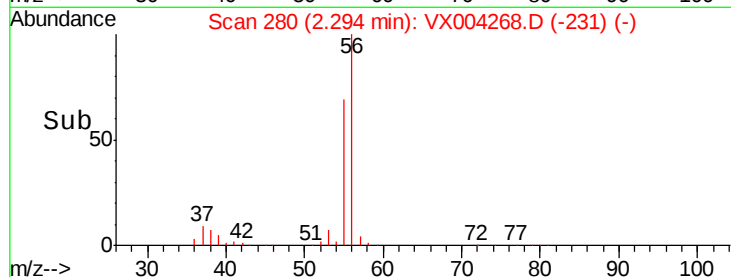
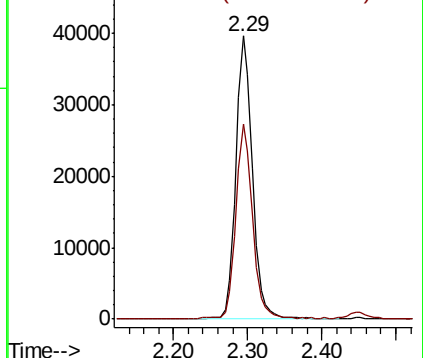
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 48.48 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX004268.D

Acq: 28 Aug 2018 10:46

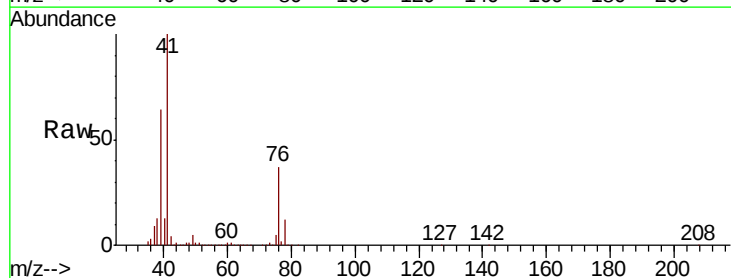
Tgt Ion: 41 Resp: 356468

Ion Ratio Lower Upper

41 100

39 60.5 47.4 71.0

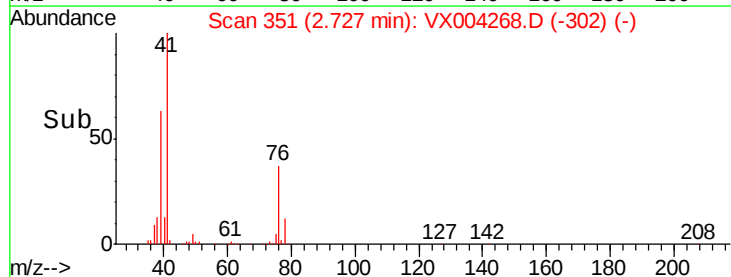
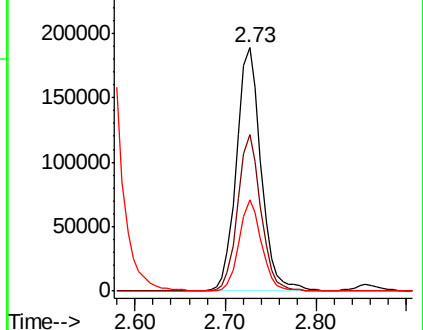
76 34.1 26.0 39.0

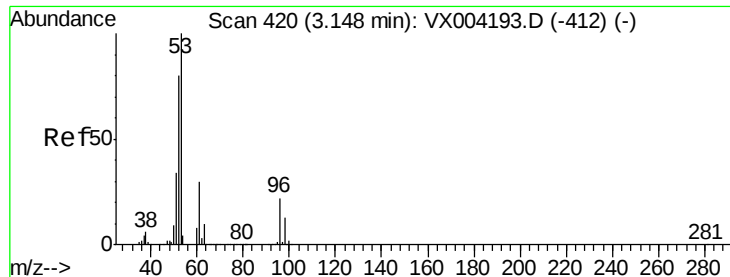


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 229.26 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.00 min

Lab File: VX004268.D

Acq: 28 Aug 2018 10:46

Instrument :

MSVOA_X

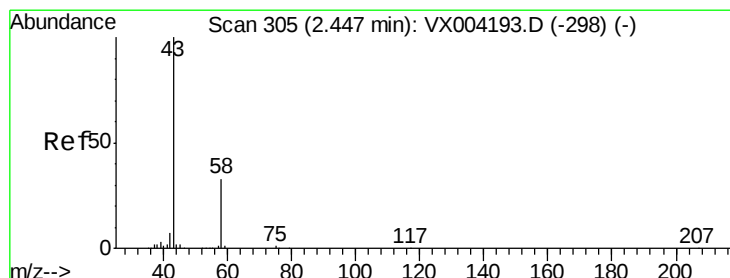
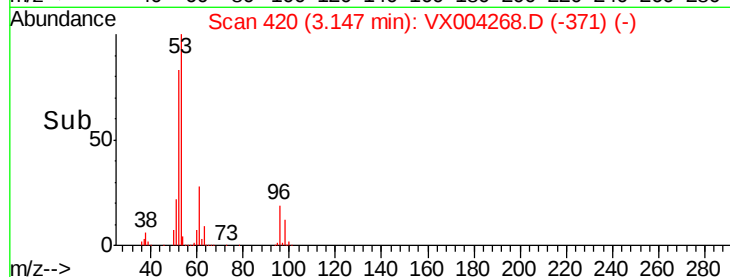
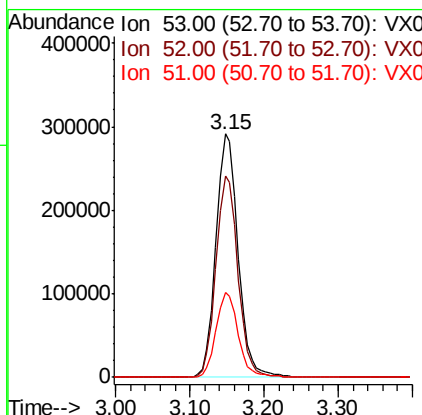
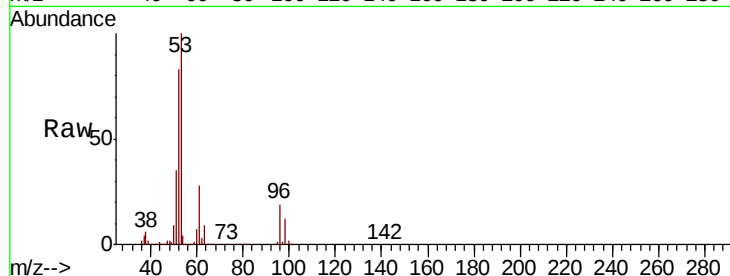
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	595943
Ion	Ratio	Lower	Upper
53	100		
52	82.4	65.3	97.9
51	35.1	27.9	41.9

Manual Integrations
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#16

Acetone

Concen: 250.06 ug/l

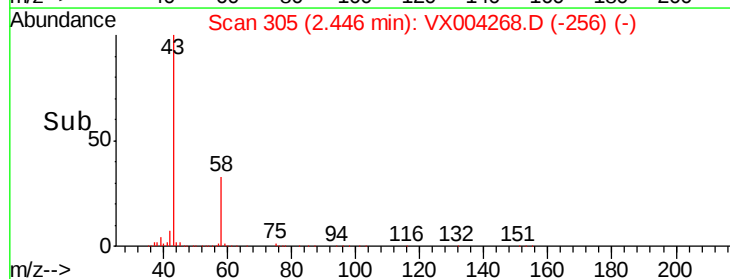
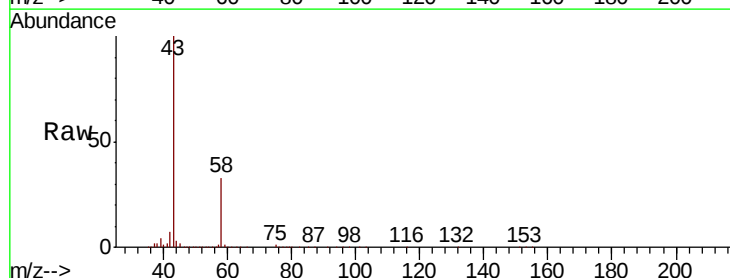
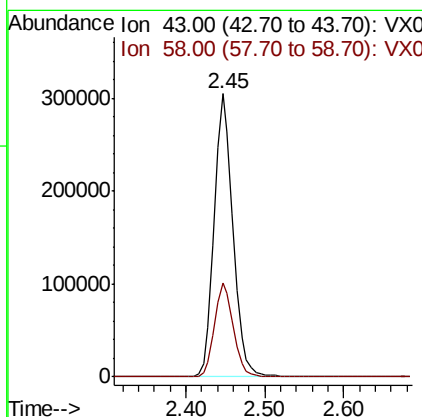
RT: 2.45 min Scan# 305

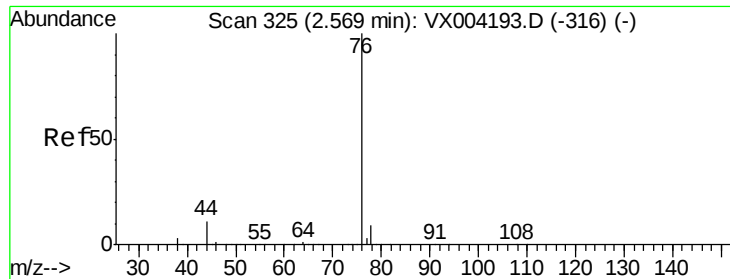
Delta R.T. 0.00 min

Lab File: VX004268.D

Acq: 28 Aug 2018 10:46

Tgt Ion:	43	Resp:	502629
Ion	Ratio	Lower	Upper
43	100		
58	33.3	26.4	39.6





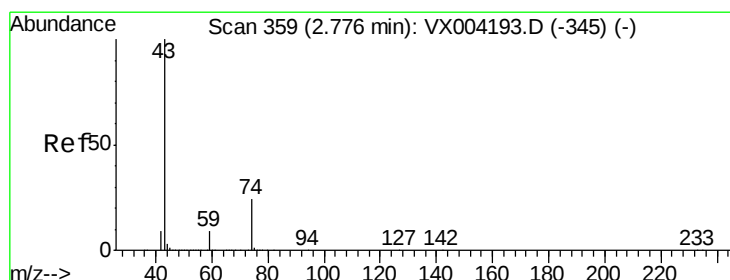
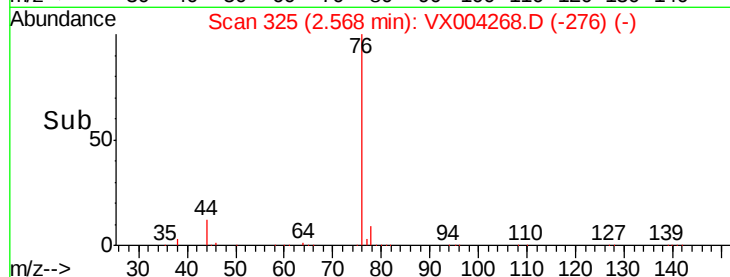
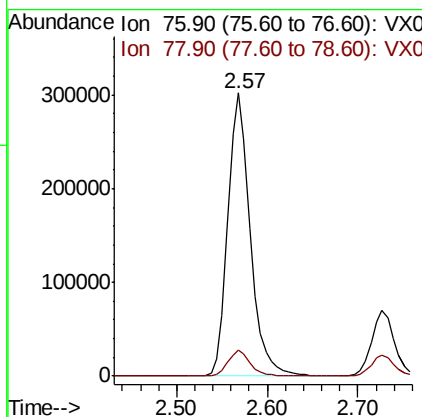
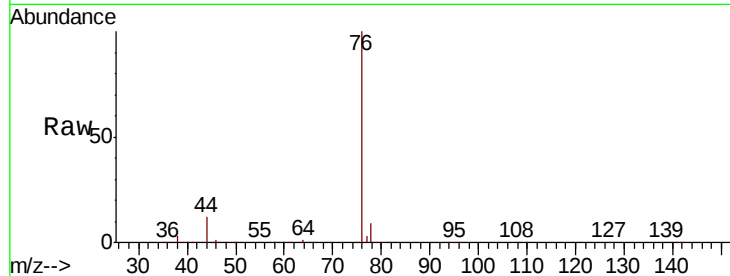
#17
Carbon Disulfide
Concen: 46.69 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX004268.D
Acq: 28 Aug 2018 10:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.5	11.3

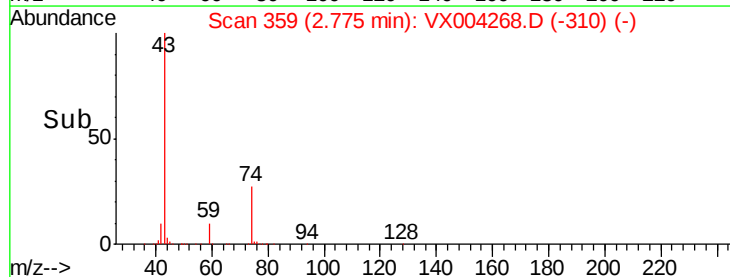
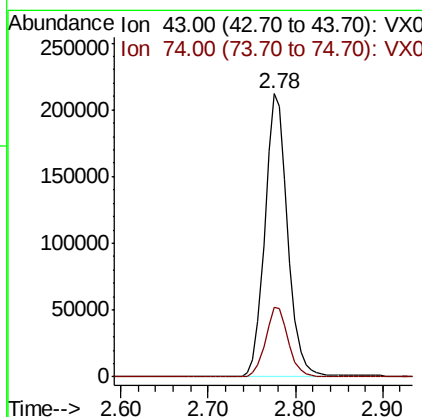
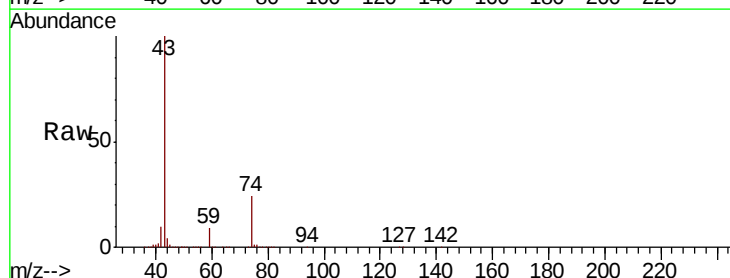
Manual Integrations
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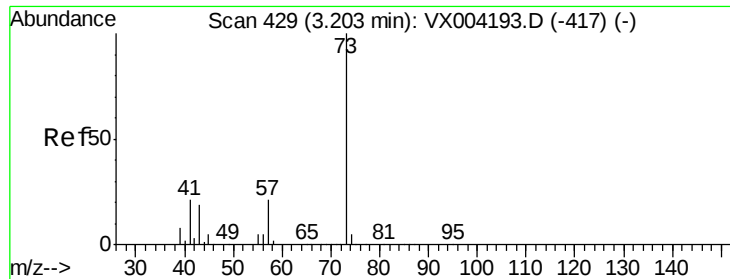
MMDadoda
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#18
Methyl Acetate
Concen: 52.68 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.00 min
Lab File: VX004268.D
Acq: 28 Aug 2018 10:46

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.9	18.9	28.3





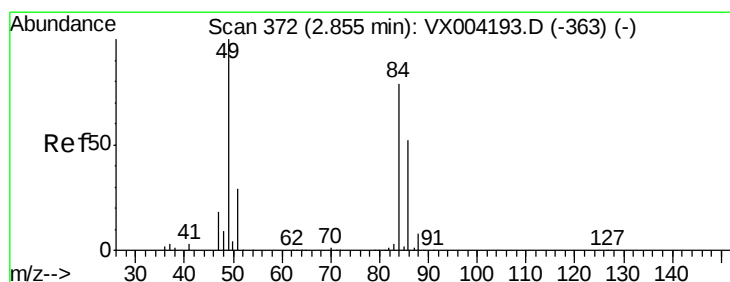
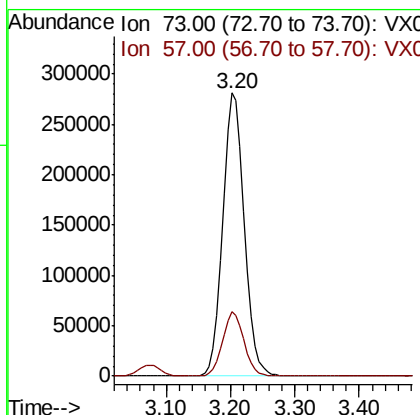
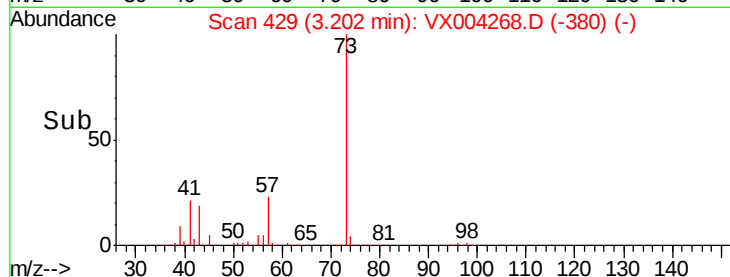
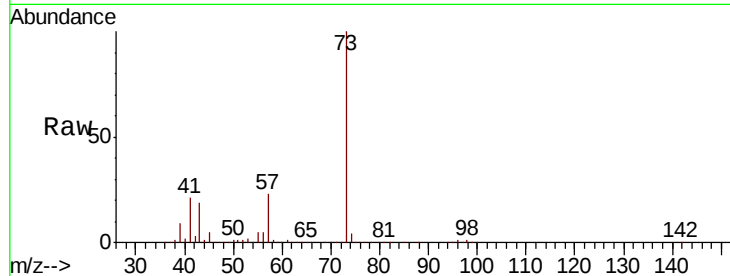
#19
Methvl tert-butvl Ether
Concen: 50.39 ug/l
RT: 3.20 min Scan# 429
Delta R.T. -0.00 min
Lab File: VX004268.D
Acq: 28 Aug 2018 10:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 664593
Ion Ratio Lower Upper
73 100
57 22.5 18.0 27.0

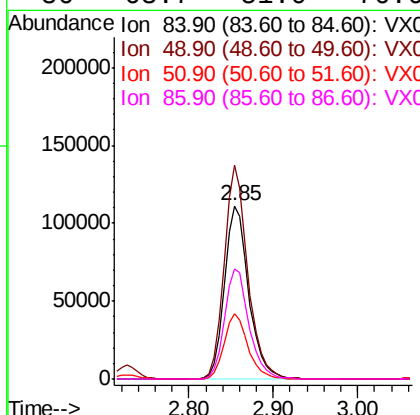
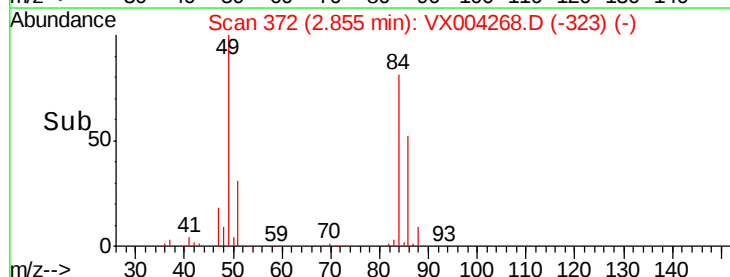
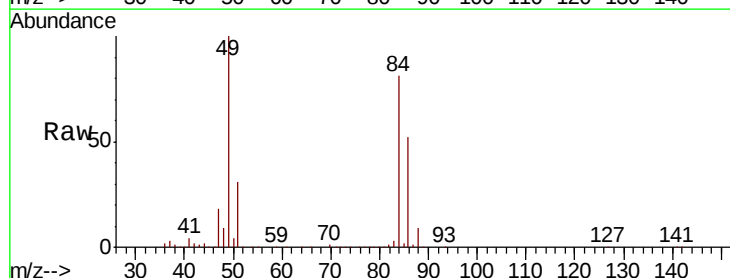
Manual Integrations
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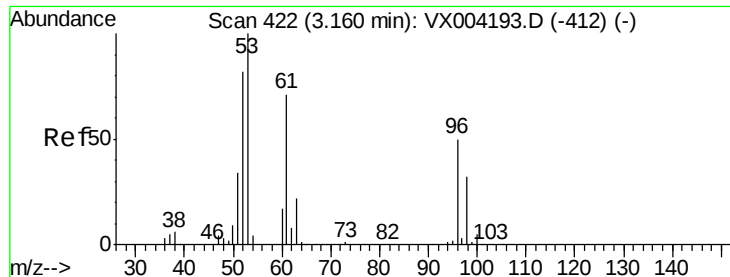
MMDadoda
8/29/2018 5:51:18 PM



#20
Methylene Chloride
Concen: 46.31 ug/l
RT: 2.85 min Scan# 372
Delta R.T. -0.00 min
Lab File: VX004268.D
Acq: 28 Aug 2018 10:46

Tgt Ion: 84 Resp: 219486
Ion Ratio Lower Upper
84 100
49 123.4 98.9 148.3
51 37.7 29.9 44.9
86 63.7 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 47.43 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.00 min

Lab File: VX004268.D

Acq: 28 Aug 2018 10:46

Instrument :

MSVOA_X

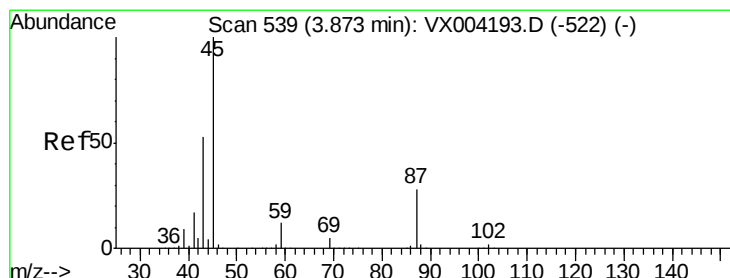
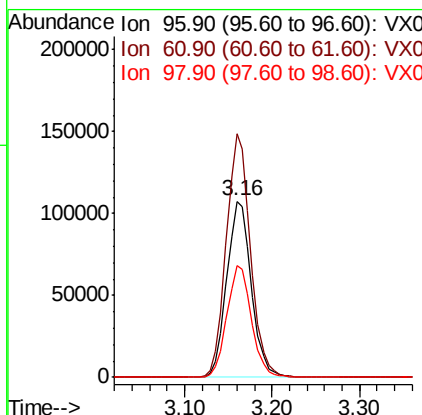
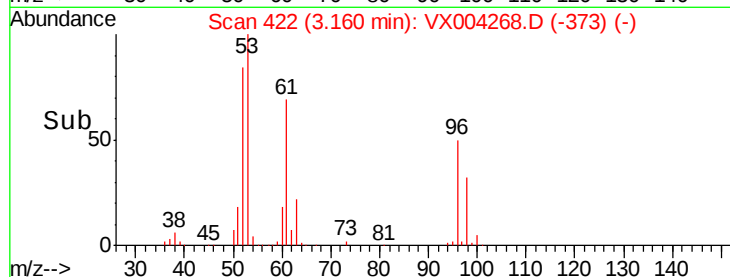
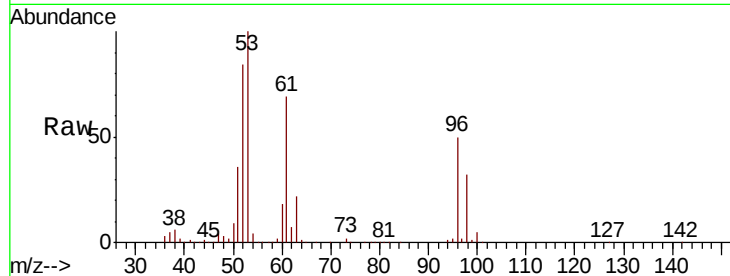
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	210102
Ion	Ratio	Lower	Upper
96	100		
61	138.2	111.8	167.6
98	63.5	51.8	77.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 47.87 ug/l

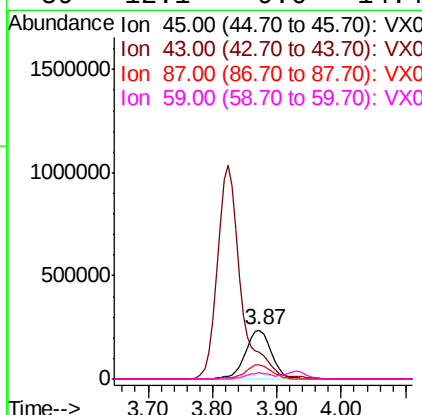
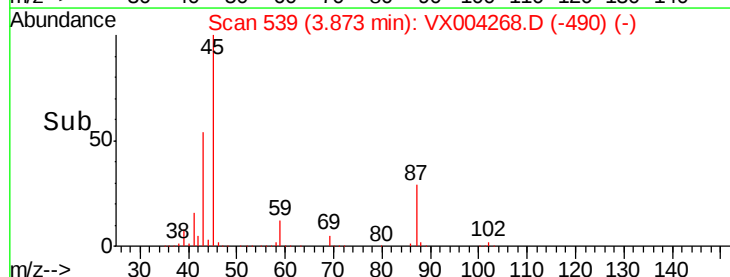
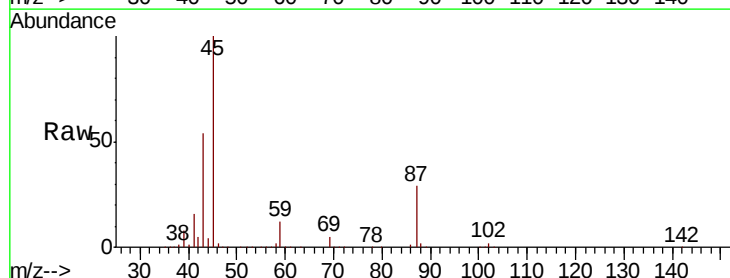
RT: 3.87 min Scan# 539

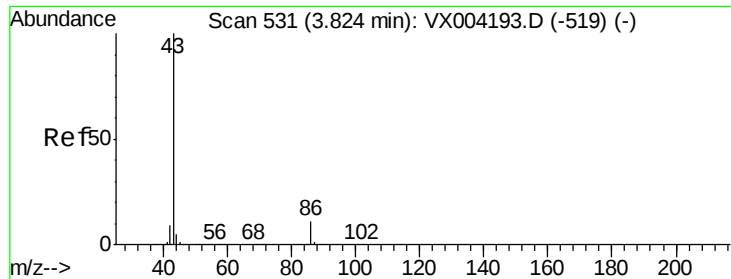
Delta R.T. -0.00 min

Lab File: VX004268.D

Acq: 28 Aug 2018 10:46

Tgt Ion:	45	Resp:	657225
Ion	Ratio	Lower	Upper
45	100		
43	53.9	45.3	67.9
87	28.7	22.7	34.1
59	12.1	9.6	14.4





#23

Vinyl Acetate

Concen: 239.84 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.00 min

Lab File: VX004268.D

Acq: 28 Aug 2018 10:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2668838

Ion Ratio Lower Upper

43 100

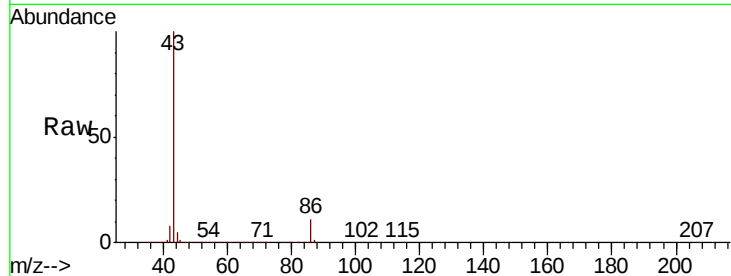
86 11.5 8.9 13.3

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

1200000

1000000

800000

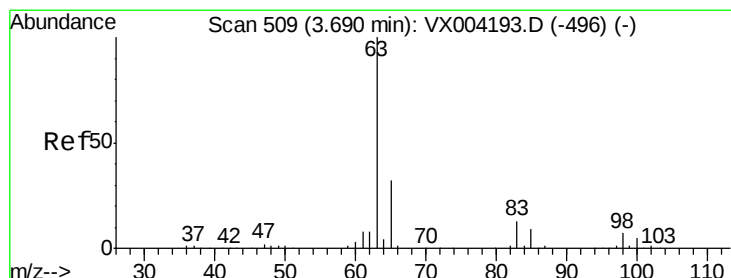
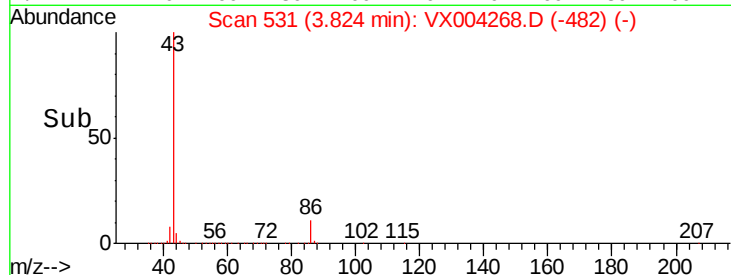
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 48.32 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.01 min

Lab File: VX004268.D

Acq: 28 Aug 2018 10:46

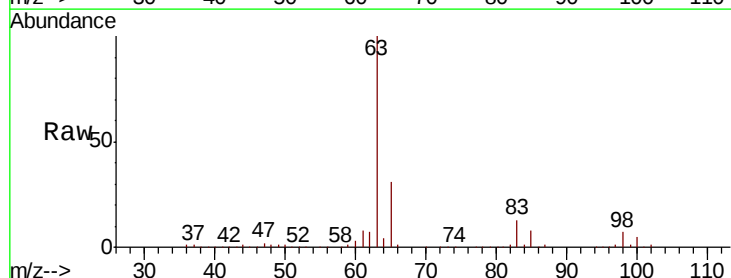
Tgt Ion: 63 Resp: 386583

Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.5

100 4.7 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

200000

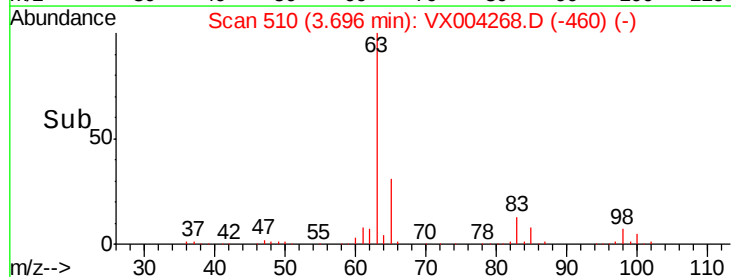
150000

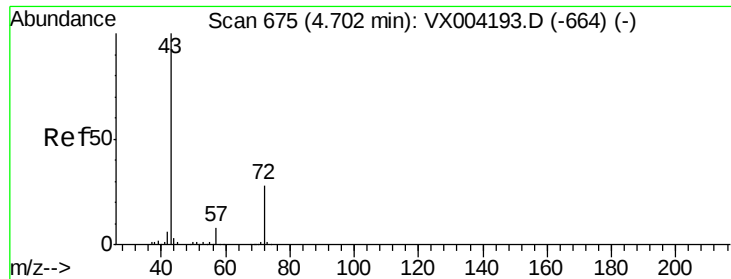
100000

50000

0

Time-->





#25

2-Butanone

Concen: 238.69 ug/l

RT: 4.70 min Scan# 675

Delta R.T. -0.00 min

Lab File: VX004268.D

Acq: 28 Aug 2018 10:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 787953

Ion Ratio Lower Upper

43 100

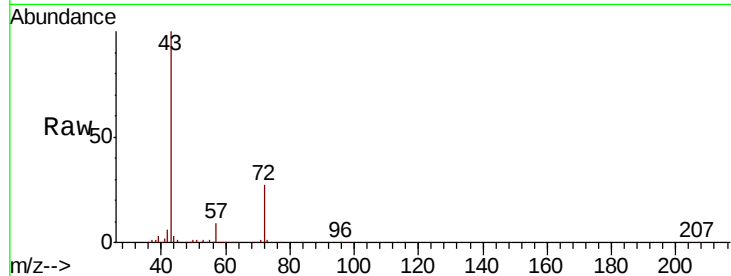
72 27.3 21.4 32.0

Manual Integrations

APPROVED

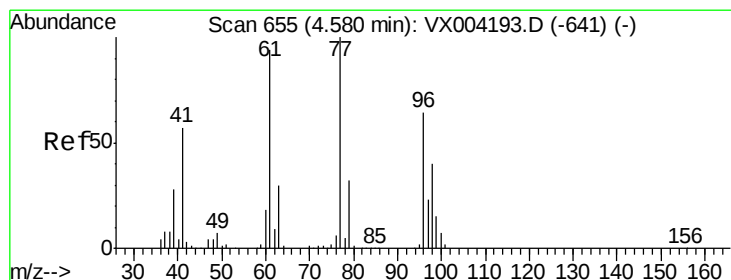
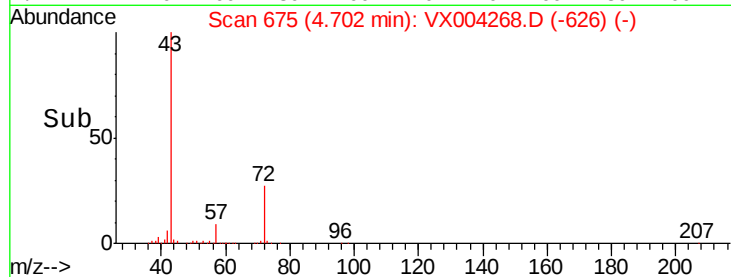
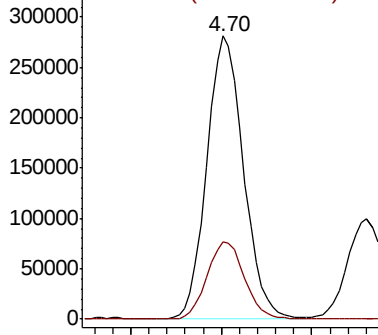
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 50.51 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.00 min

Lab File: VX004268.D

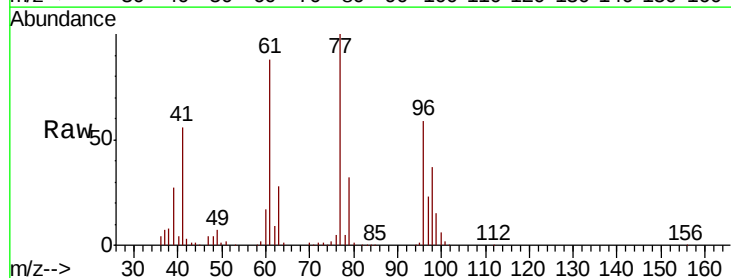
Acq: 28 Aug 2018 10:46

Tgt Ion: 77 Resp: 316948

Ion Ratio Lower Upper

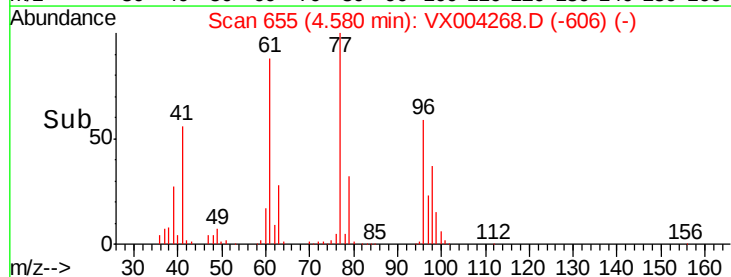
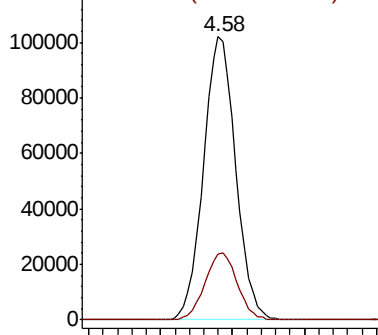
77 100

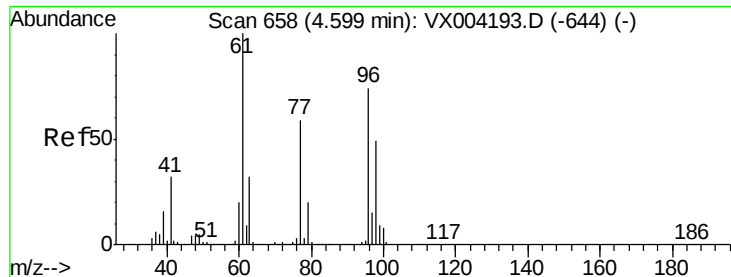
97 23.8 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

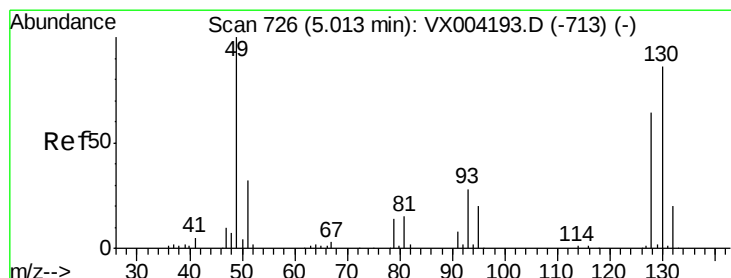
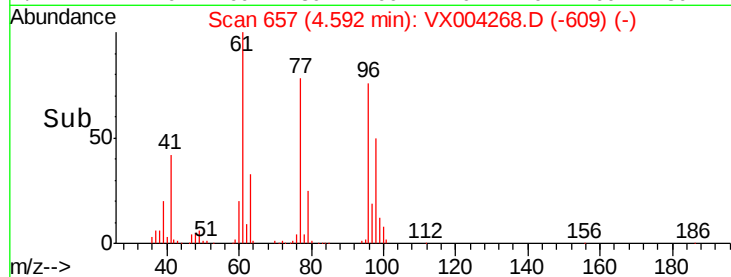
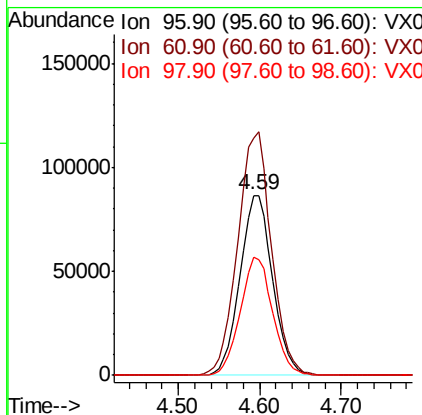
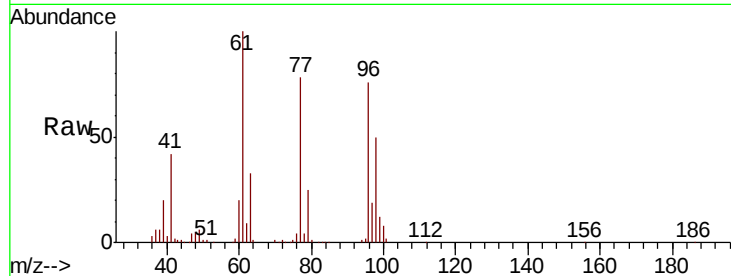
cis-1,2-Dichloroethene
Concen: 47.90 ug/l
RT: 4.59 min Scan# 657
Delta R.T. -0.01 min
Lab File: VX004268.D
Acq: 28 Aug 2018 10:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	240682		
61	139.8	0.0	293.0	
98	65.0	0.0	131.8	

Manual Integrations
APPROVED

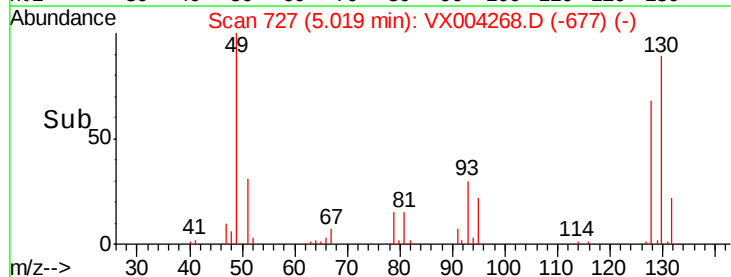
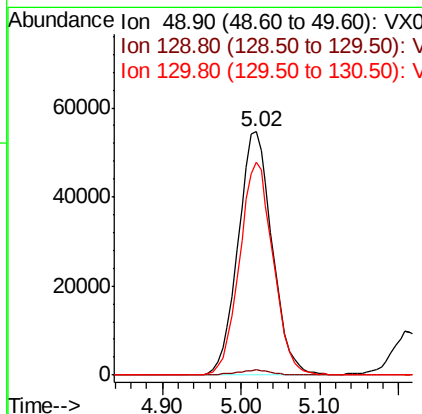
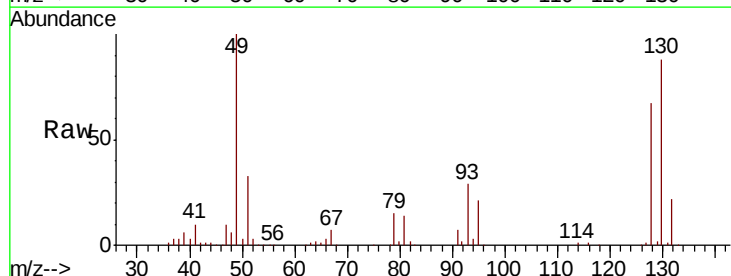
MMDadoda
8/29/2018 5:51:18 PM

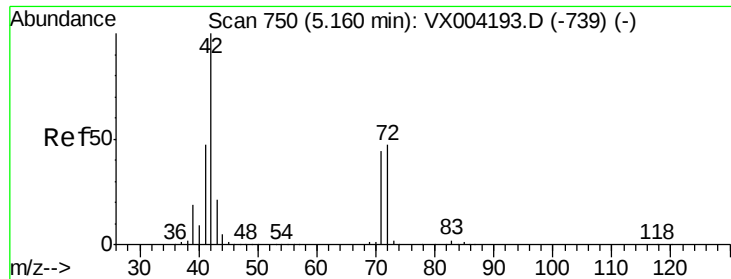


#28

Bromochloromethane
Concen: 46.42 ug/l
RT: 5.02 min Scan# 727
Delta R.T. 0.01 min
Lab File: VX004268.D
Acq: 28 Aug 2018 10:46

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	164450		
129	2.2	0.0	4.2	
130	85.9	66.5	99.7	





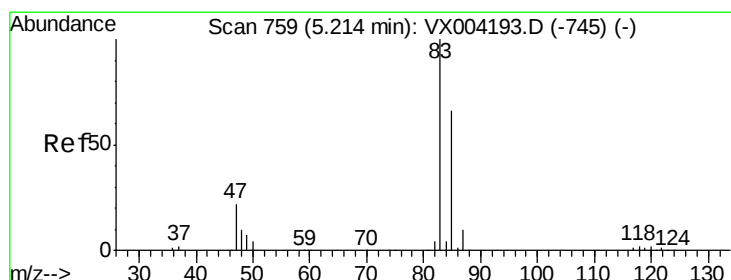
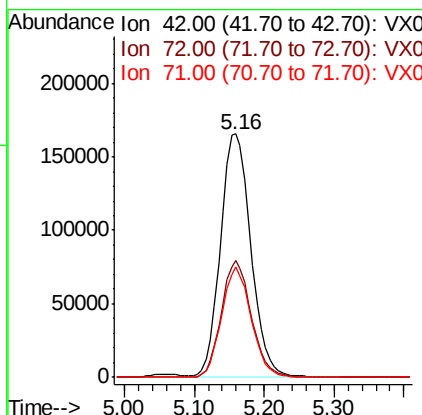
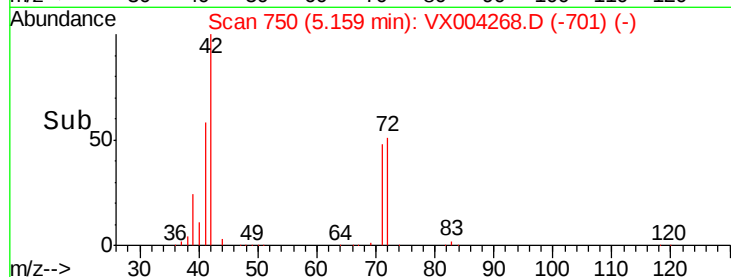
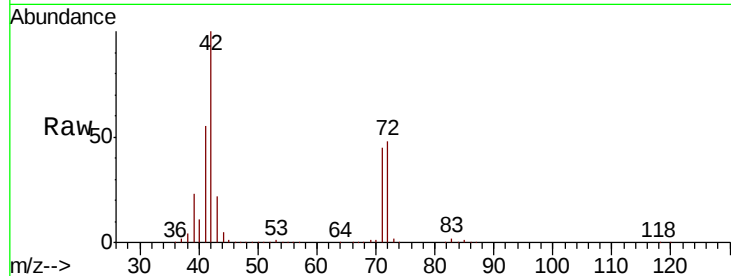
#29
Tetrahydrofuran
Concen: 236.05 ug/l
RT: 5.16 min Scan# 750
Delta R.T. -0.00 min
Lab File: VX004268.D
Acq: 28 Aug 2018 10:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.5	37.7	56.5
71	44.2	35.0	52.6

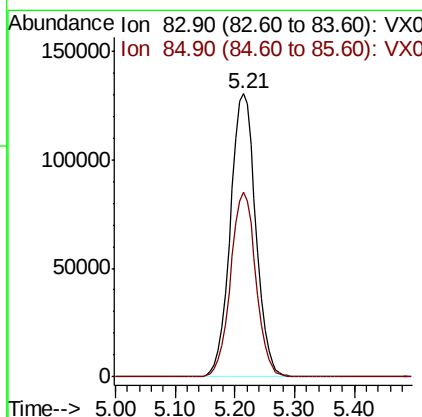
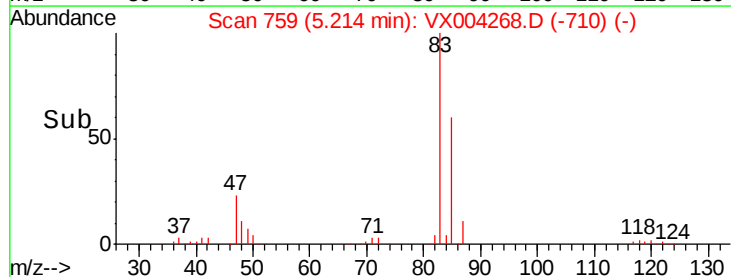
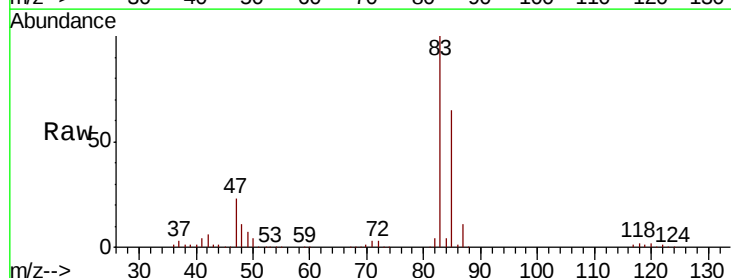
Manual Integrations
APPROVED

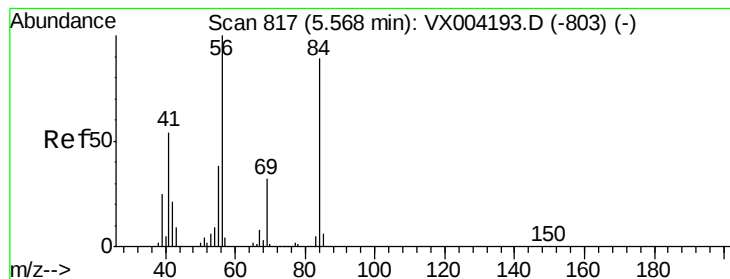
MMDadoda
8/29/2018 5:51:18 PM



#30
Chloroform
Concen: 48.10 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX004268.D
Acq: 28 Aug 2018 10:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	50.7	76.1





#31

Cyclohexane

Concen: 49.44 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.01 min

Lab File: VX004268.D

Acq: 28 Aug 2018 10:46

Instrument :

MSVOA_X

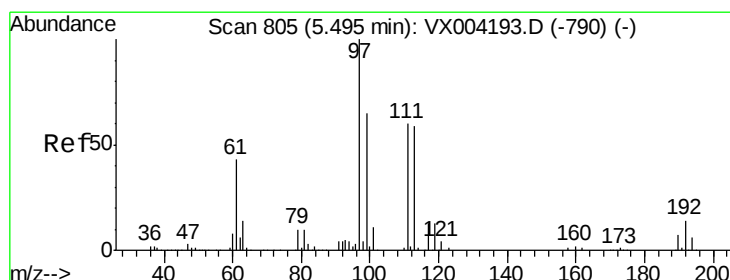
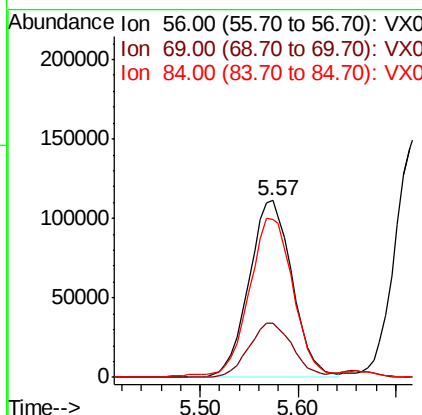
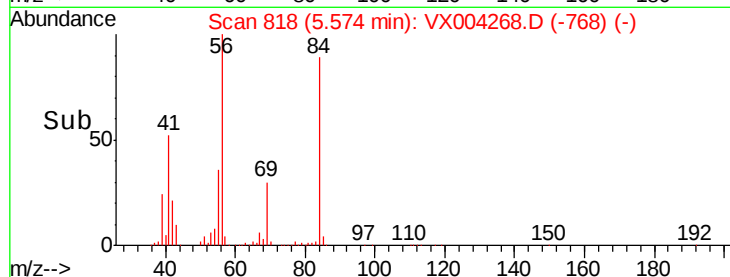
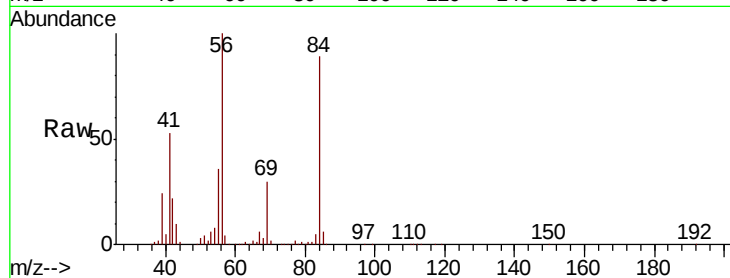
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	341297
Ion	Ratio	Lower	Upper
56	100		
69	30.4	24.9	37.3
84	88.0	71.7	107.5

Manual Integrations
APPROVED

MMDadoda
8/29/2018 5:51:18 PM



#32

1,1,1-Trichloroethane

Concen: 49.27 ug/l

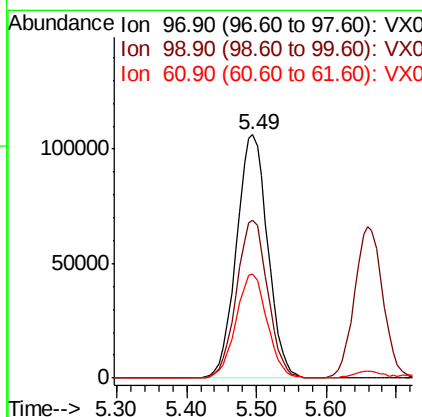
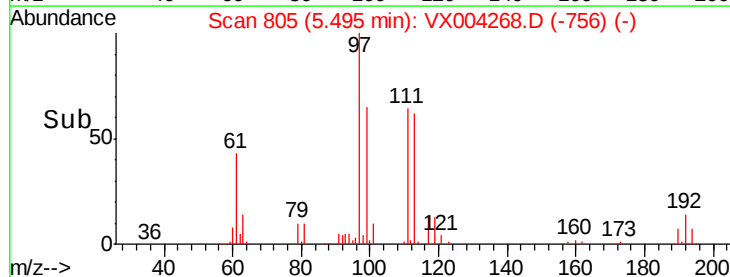
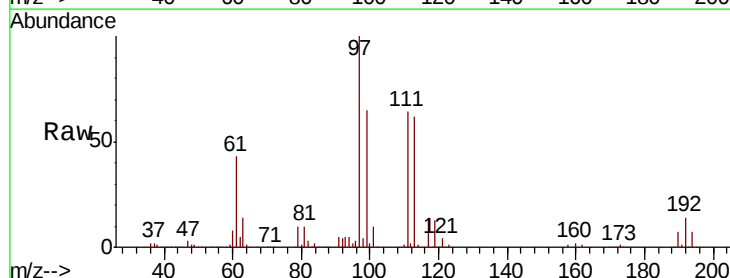
RT: 5.49 min Scan# 805

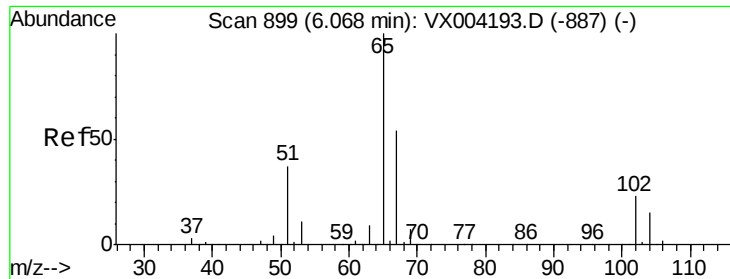
Delta R.T. -0.00 min

Lab File: VX004268.D

Acq: 28 Aug 2018 10:46

Tgt Ion:	97	Resp:	329589
Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.8	77.8
61	42.8	34.4	51.6





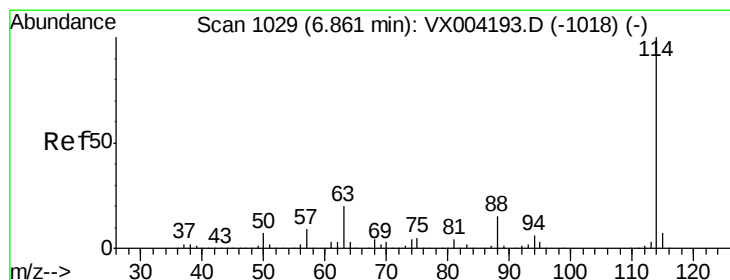
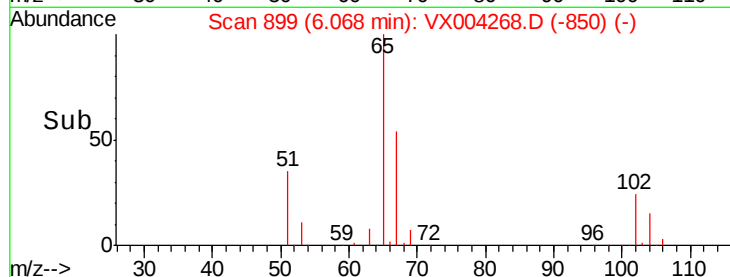
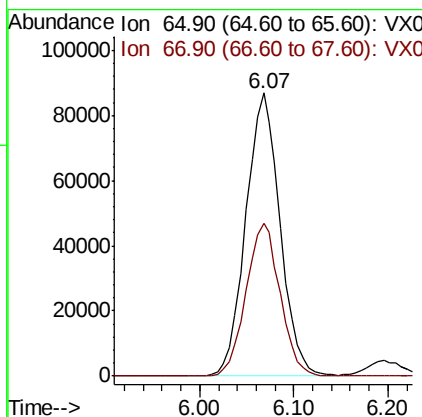
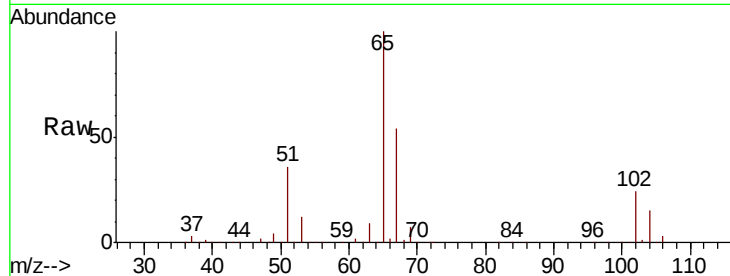
#33
 1,2-Dichloroethane-d4
 Concen: 44.91 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004268.D
 Acq: 28 Aug 2018 10:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.0	0.0	105.8

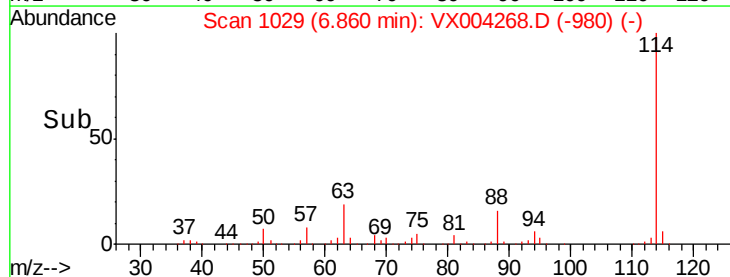
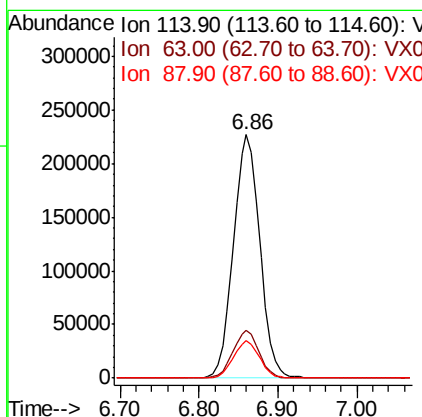
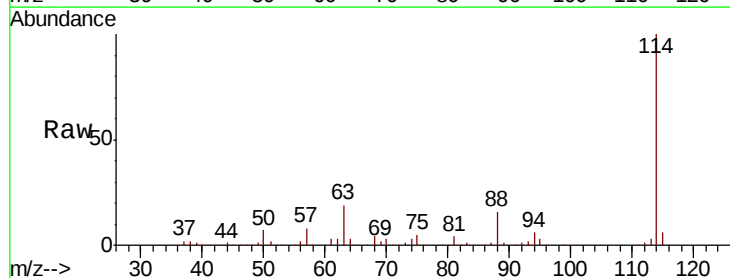
Manual Integrations
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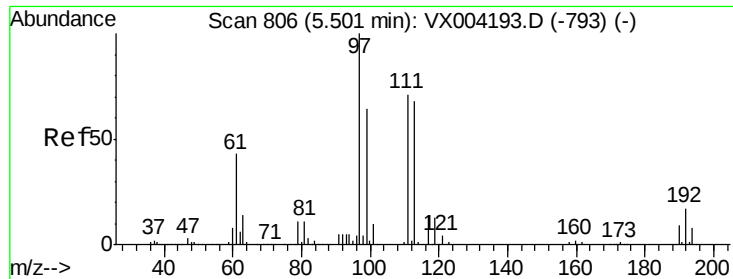
MMDadoda
 8/29/2018 5:51:18 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: VX004268.D
 Acq: 28 Aug 2018 10:46

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	39.0
88	15.5	0.0	32.0





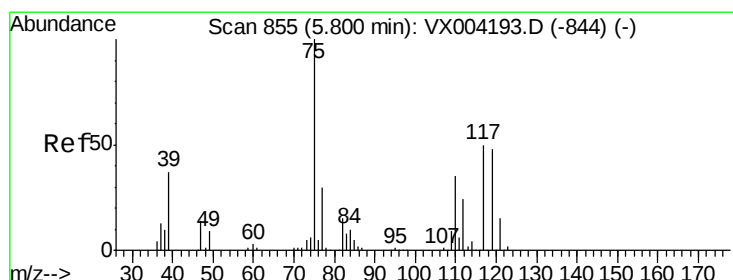
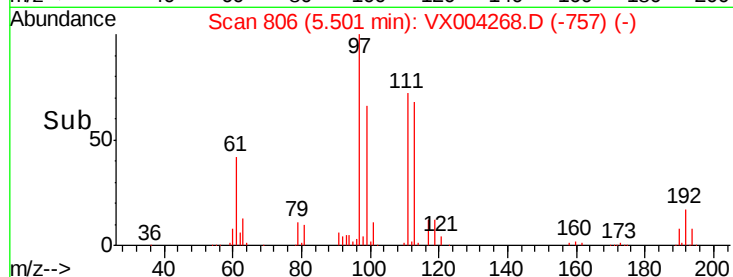
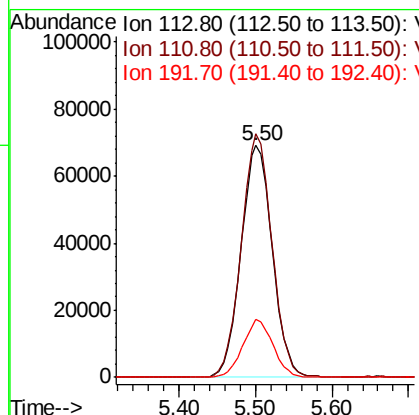
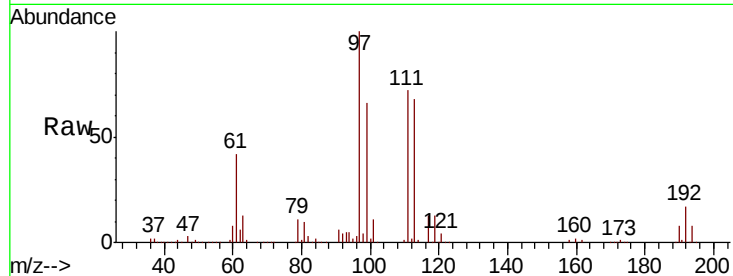
#35
 Dibromofluoromethane
 Concen: 50.05 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004268.D
 Acq: 28 Aug 2018 10:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	196440		
111	103.0	82.0	123.0	
192	24.2	19.0	28.4	

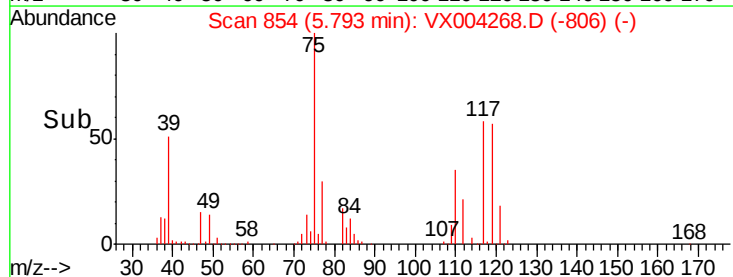
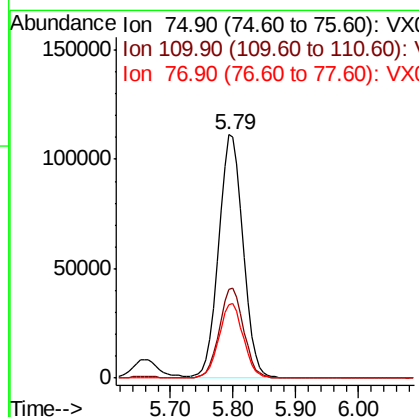
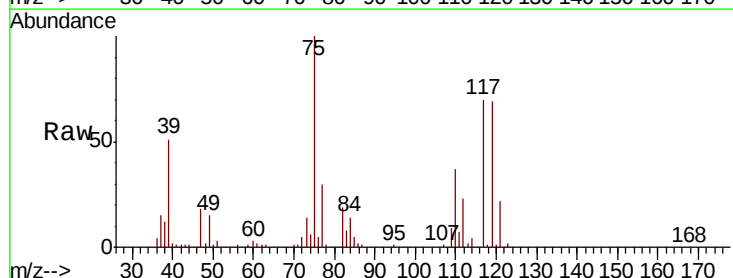
Manual Integrations
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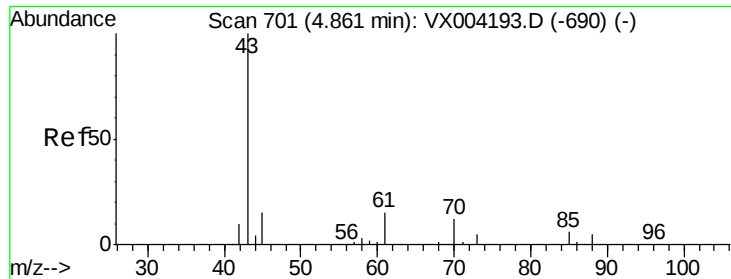
MMDadoda
 8/29/2018 5:51:18 PM



#36
 1,1-Dichloropropene
 Concen: 50.66 ug/l
 RT: 5.79 min Scan# 854
 Delta R.T. -0.01 min
 Lab File: VX004268.D
 Acq: 28 Aug 2018 10:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	300456		
110	36.8	18.2	54.6	
77	30.8	25.0	37.4	





#37

Ethyl Acetate

Concen: 49.53 ug/l

RT: 4.86 min Scan# 701

Delta R.T. -0.00 min

Lab File: VX004268.D

Acq: 28 Aug 2018 10:46

Instrument :

MSVOA_X

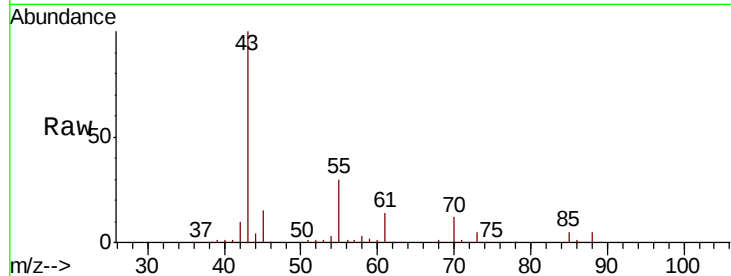
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	288912
Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.5	17.3
70	11.6	9.0	13.4

Manual Integrations
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MMDadoda
8/29/2018 5:51:18 PM

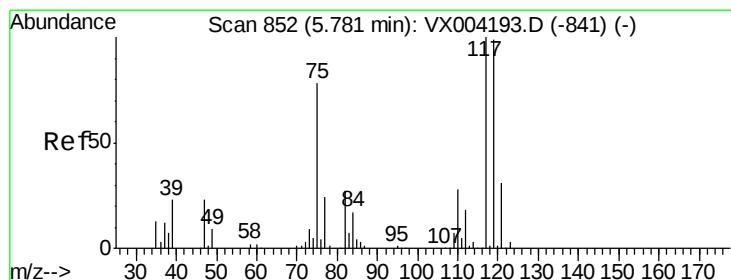
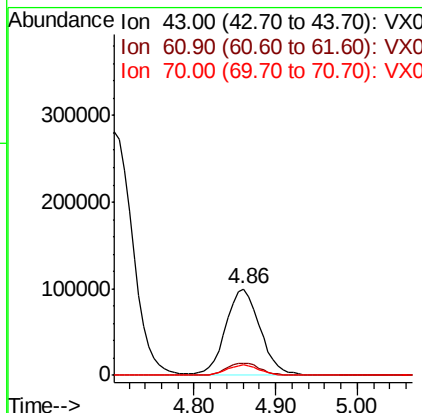
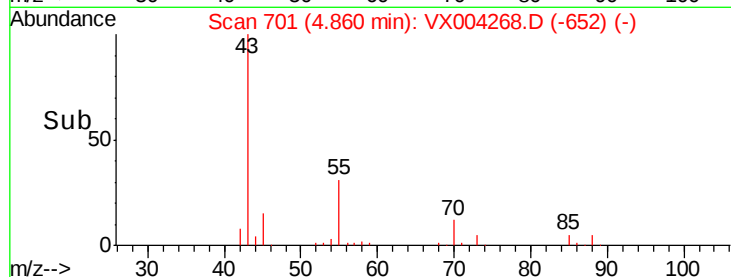


Abundance Ion 43.00 (42.70 to 43.70): VX004193.D (-690) (-)

Ion 60.90 (60.60 to 61.60): VX004193.D (-690) (-)

Ion 70.00 (69.70 to 70.70): VX004193.D (-690) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 51.84 ug/l

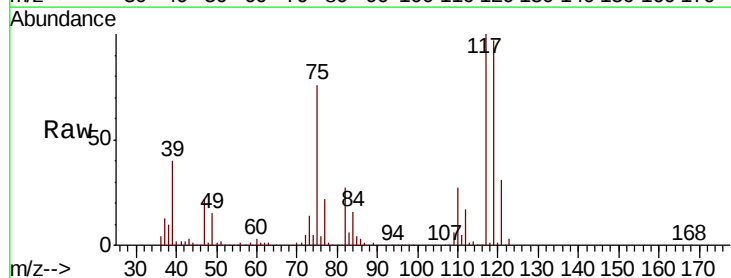
RT: 5.78 min Scan# 852

Delta R.T. -0.00 min

Lab File: VX004268.D

Acq: 28 Aug 2018 10:46

Tgt Ion:	117	Resp:	289248
Ion	Ratio	Lower	Upper
117	100		
119	96.5	79.5	119.3
121	31.1	25.0	37.4

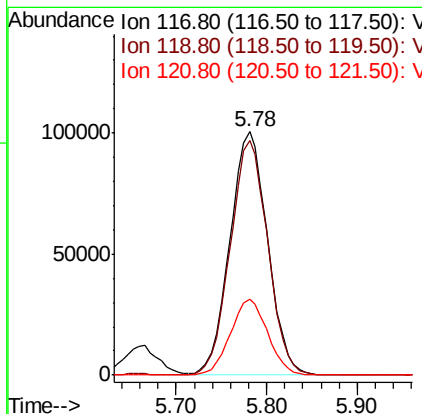
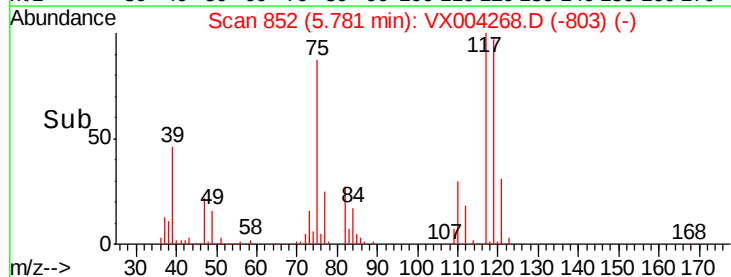


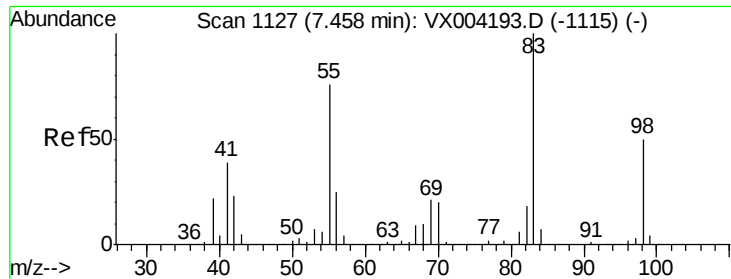
Abundance Ion 116.80 (116.50 to 117.50): VX004193.D (-841) (-)

Ion 118.80 (118.50 to 119.50): VX004193.D (-841) (-)

Ion 120.80 (120.50 to 121.50): VX004193.D (-841) (-)

Time-->





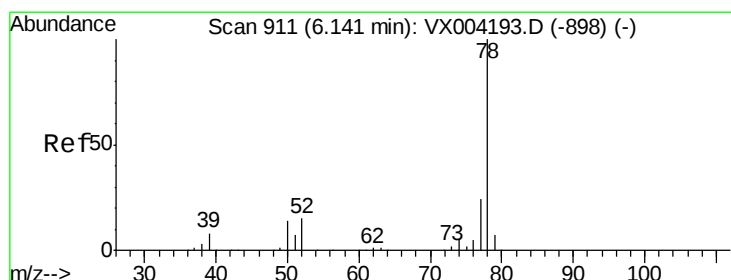
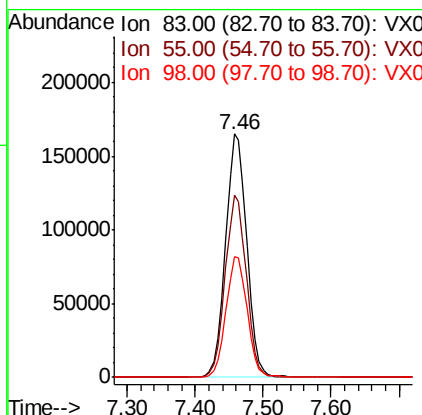
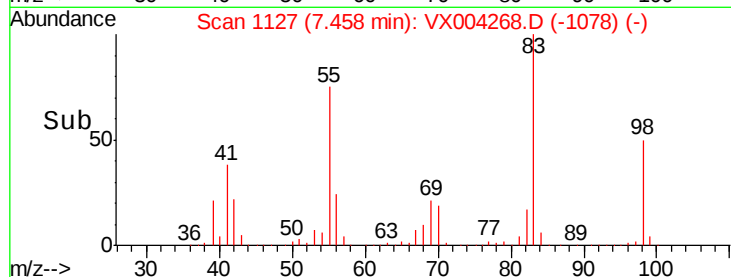
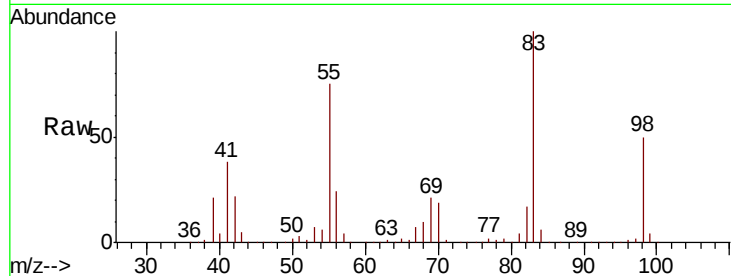
#39
Methvlcvclohexane
Concen: 52.71 ug/l
RT: 7.46 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VX004268.D
Acq: 28 Aug 2018 10:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	74.8	61.0	91.6	
98	49.6	38.6	57.8	

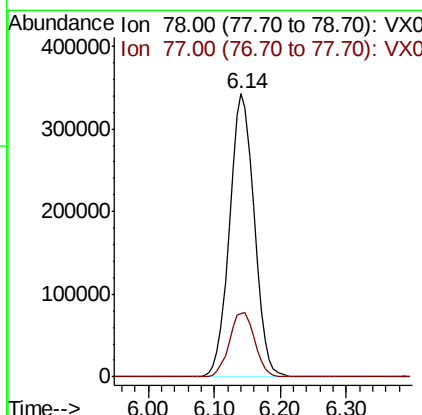
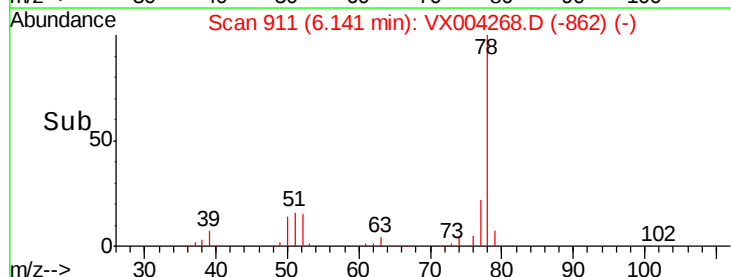
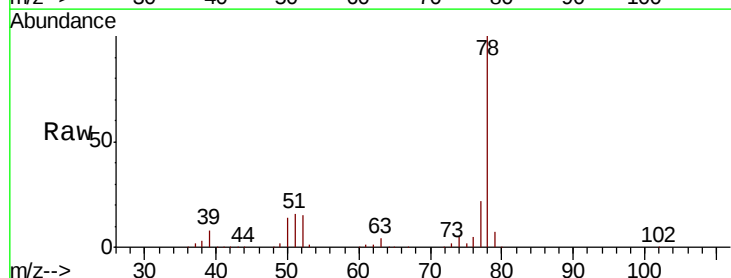
Manual Integrations
APPROVED

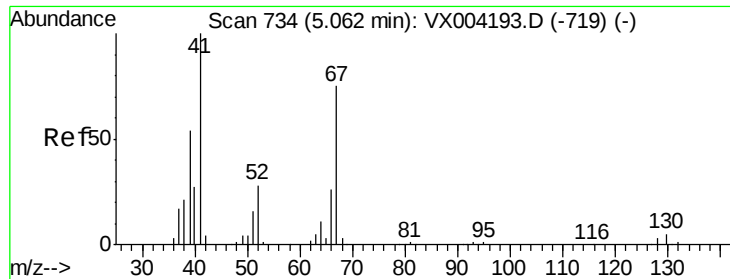
MMDadoda
8/29/2018 5:51:18 PM



#40
Benzene
Concen: 49.97 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.00 min
Lab File: VX004268.D
Acq: 28 Aug 2018 10:46

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	22.4	19.0	28.4	





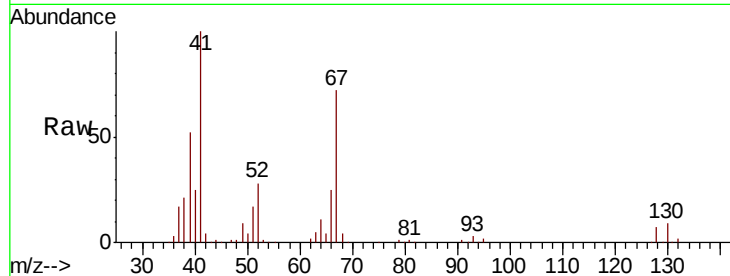
#41
Methacrylonitrile
Concen: 50.56 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.00 min
Lab File: VX004268.D
Acq: 28 Aug 2018 10:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

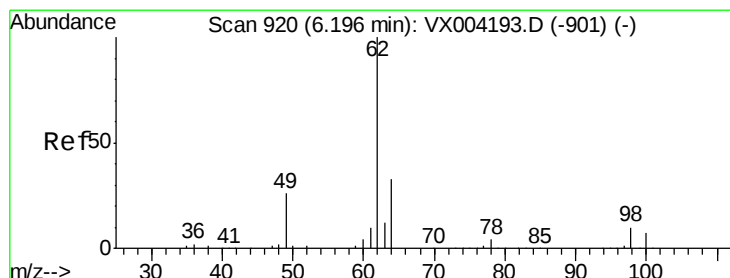
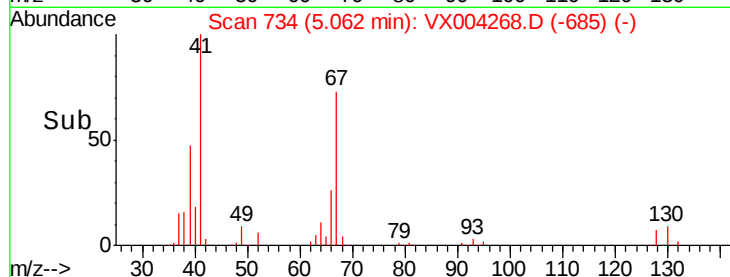
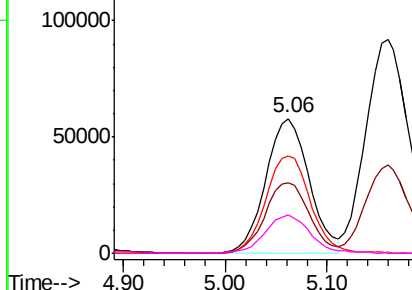
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.2	42.7	64.1	
67	74.9	58.9	88.3	
52	28.9	22.6	33.8	

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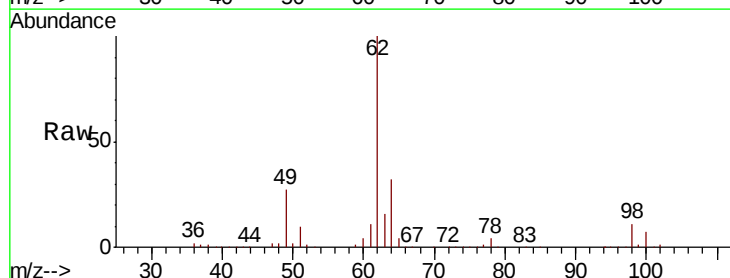


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

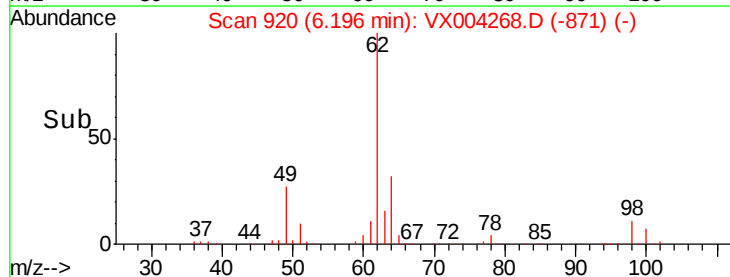
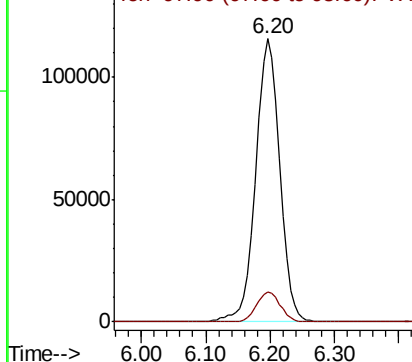


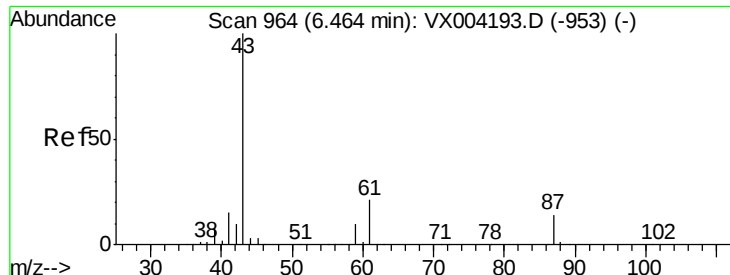
#42
1,2-Dichloroethane
Concen: 48.86 ug/l
RT: 6.20 min Scan# 920
Delta R.T. -0.00 min
Lab File: VX004268.D
Acq: 28 Aug 2018 10:46

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.6	0.0	20.4	



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 52.29 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.00 min

Lab File: VX004268.D

Acq: 28 Aug 2018 10:46

Instrument :

MSVOA_X

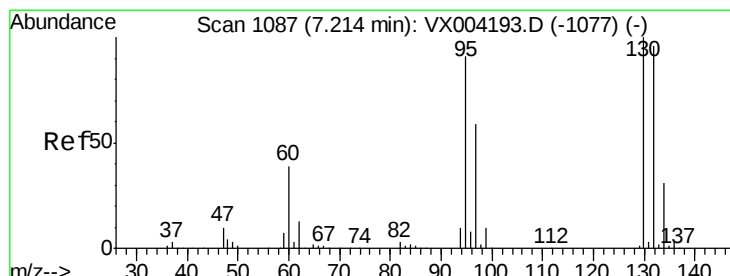
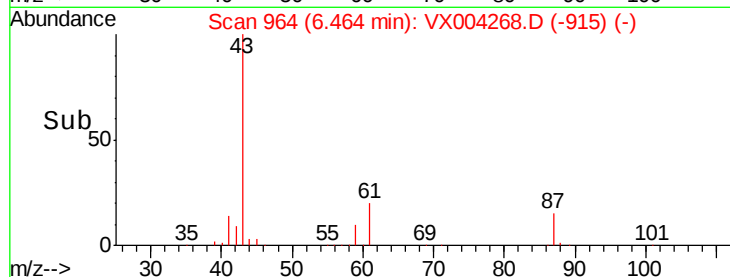
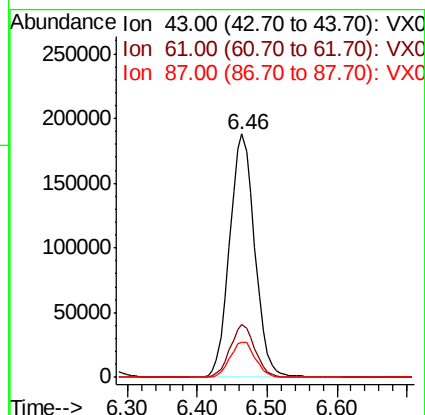
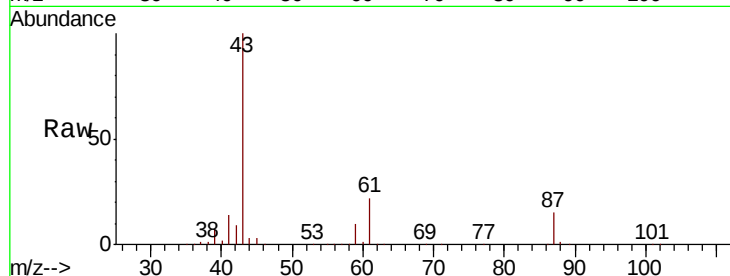
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	468657
Ion	Ratio	Lower	Upper
43	100		
61	21.4	16.9	25.3
87	14.5	11.3	16.9

Manual Integrations
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#44

Trichloroethene

Concen: 50.22 ug/l

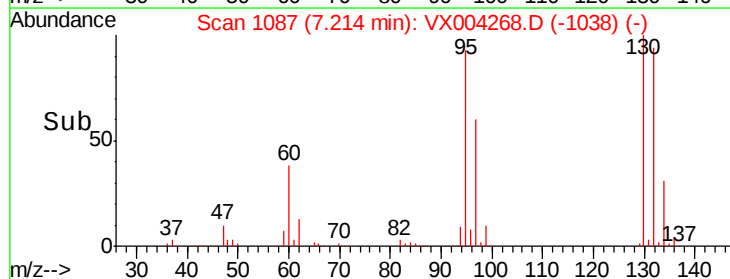
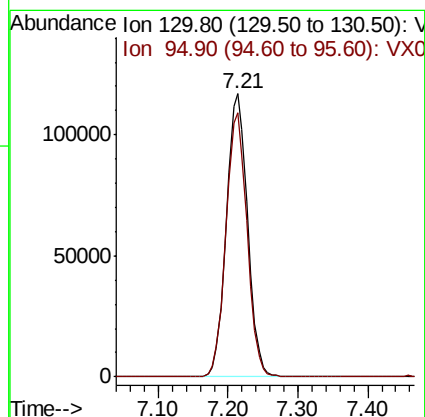
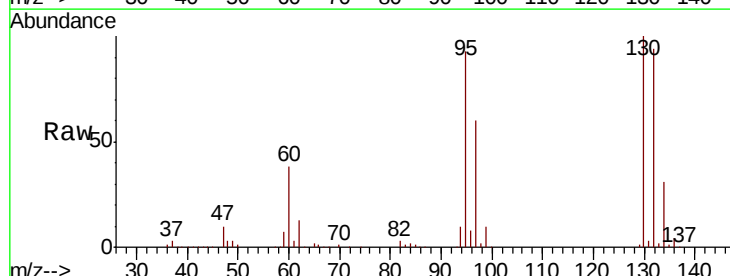
RT: 7.21 min Scan# 1087

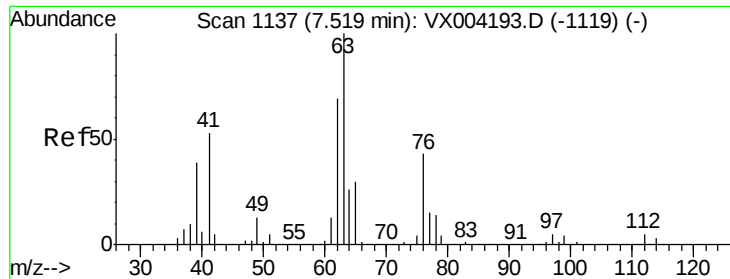
Delta R.T. -0.00 min

Lab File: VX004268.D

Acq: 28 Aug 2018 10:46

Tgt Ion:	130	Resp:	246352
Ion	Ratio	Lower	Upper
130	100		
95	93.3	0.0	199.4





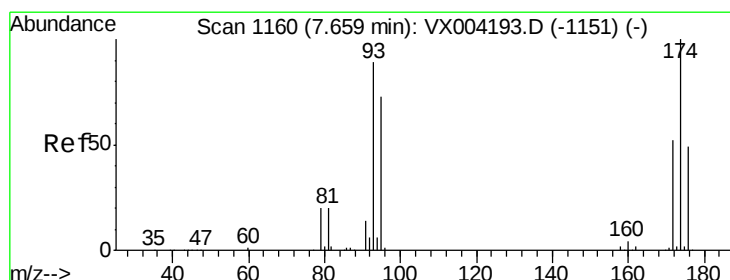
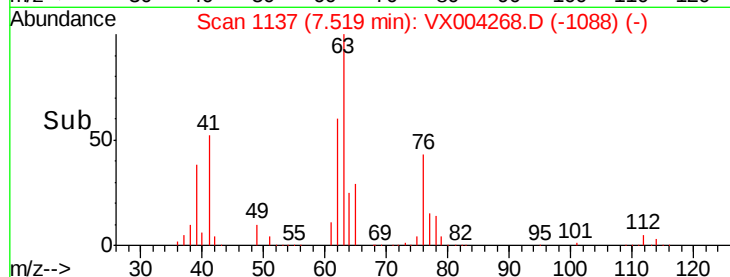
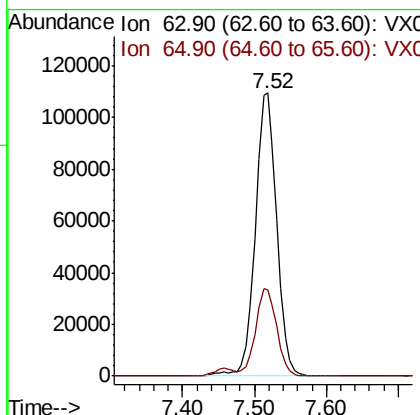
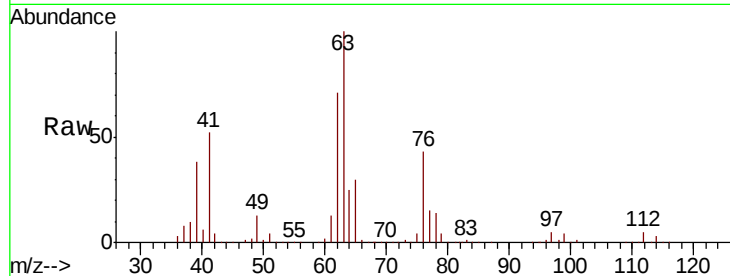
#45
 1,2-Dichloropropane
 Concen: 50.96 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX004268.D
 Acq: 28 Aug 2018 10:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.3	24.6	36.8

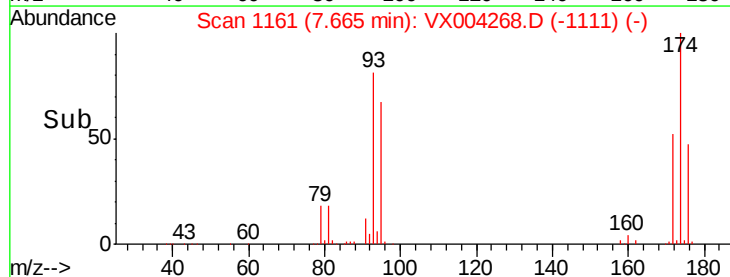
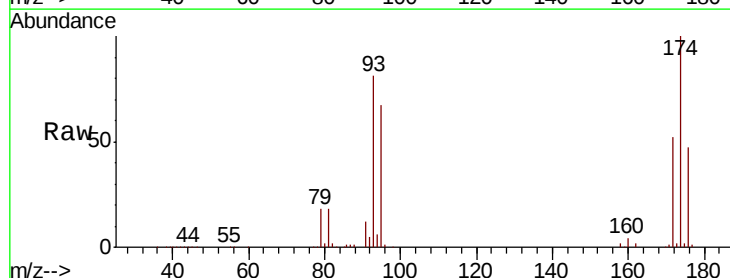
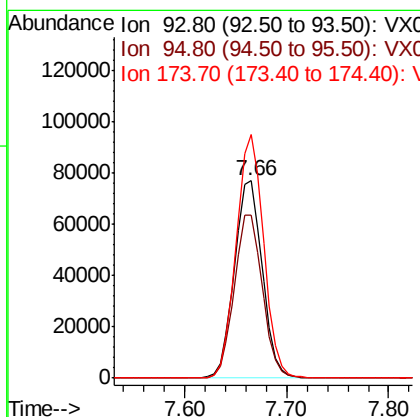
Manual Integrations
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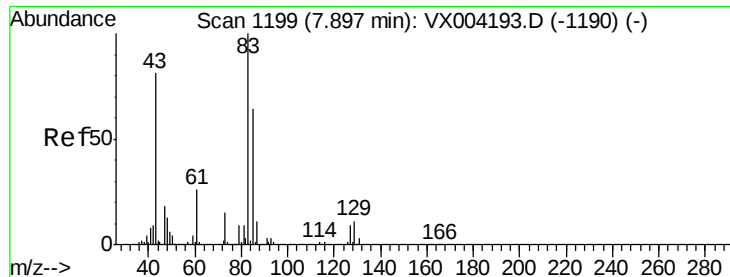
MMDadoda
 8/29/2018 5:51:18 PM



#46
 Dibromomethane
 Concen: 49.32 ug/l
 RT: 7.66 min Scan# 1161
 Delta R.T. 0.01 min
 Lab File: VX004268.D
 Acq: 28 Aug 2018 10:46

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.4	66.4	99.6
174	121.4	94.3	141.5





#47

Bromodichloromethane

Concen: 52.23 ug/l

RT: 7.90 min Scan# 1199

Delta R.T. -0.00 min

Lab File: VX004268.D

Acq: 28 Aug 2018 10:46

Instrument :

MSVOA_X

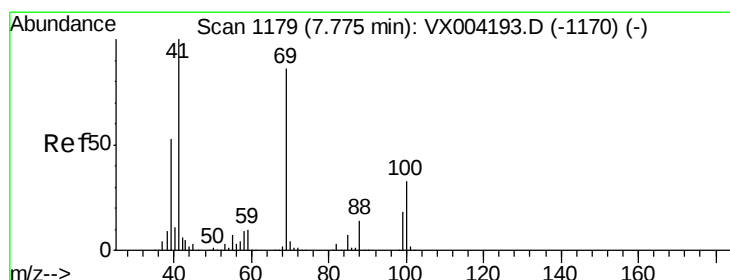
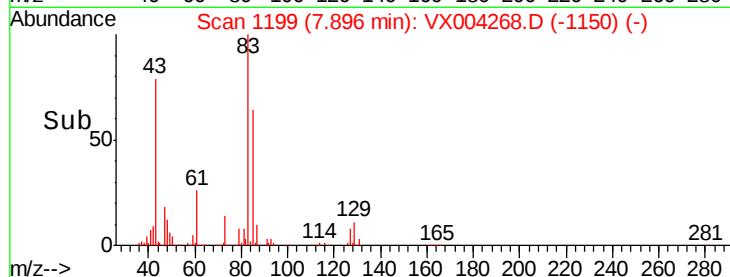
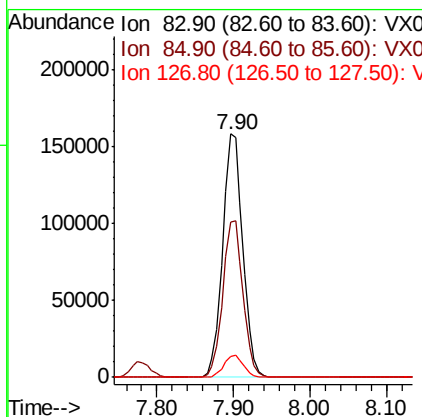
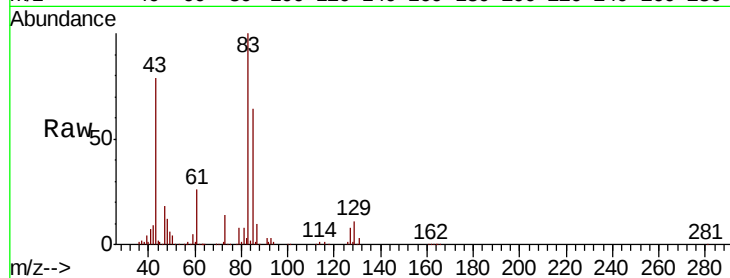
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	287038
Ion Ratio	Lower	Upper	
83	100		
85	64.0	51.2	76.8
127	8.4	7.2	10.8

Manual Integrations
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8/29/2018 5:51:18 PM



#48

Methyl methacrylate

Concen: 51.99 ug/l

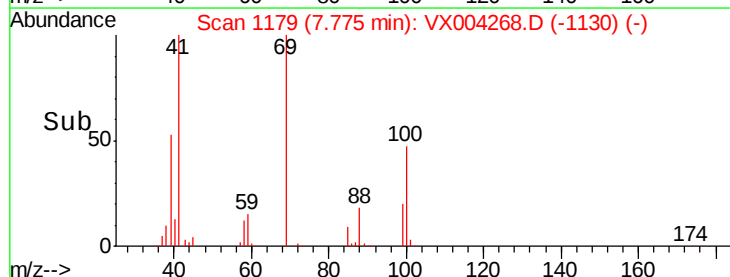
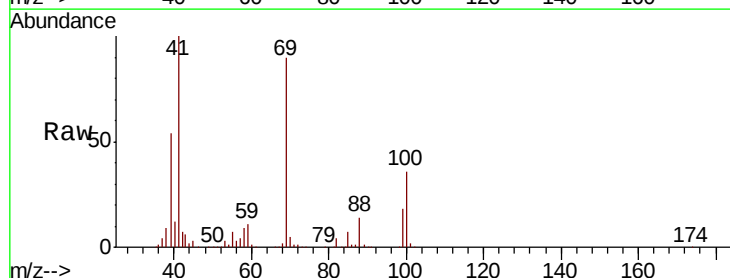
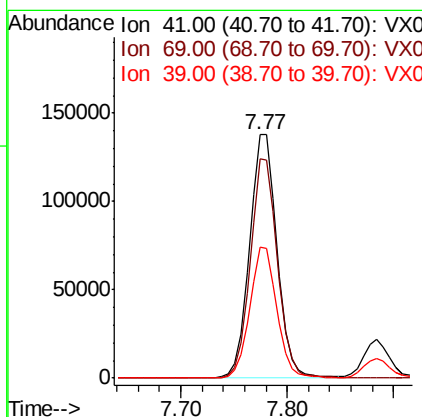
RT: 7.77 min Scan# 1179

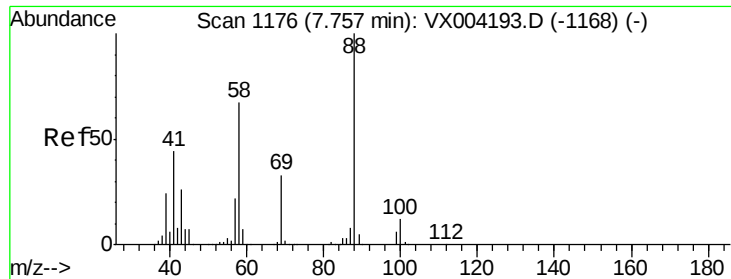
Delta R.T. -0.00 min

Lab File: VX004268.D

Acq: 28 Aug 2018 10:46

Tgt Ion:	41	Resp:	249364
Ion Ratio	Lower	Upper	
41	100		
69	89.3	68.8	103.2
39	52.9	42.3	63.5





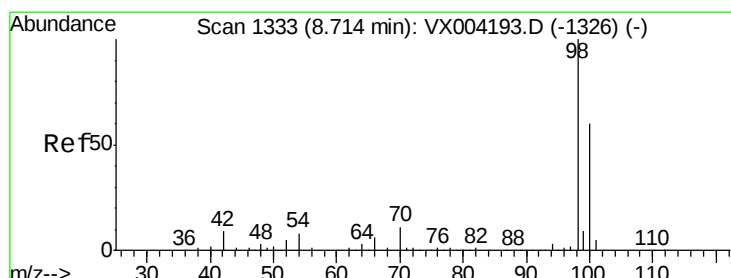
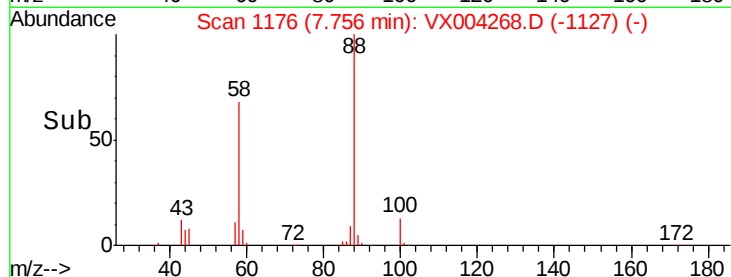
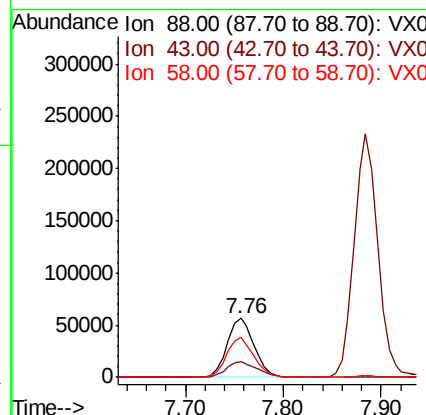
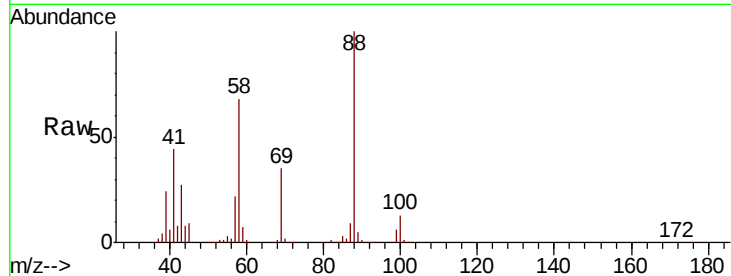
#49
1,4-Dioxane
Concen: 988.04 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX004268.D
Acq: 28 Aug 2018 10:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.5	23.8	35.8
58	69.1	55.4	83.0

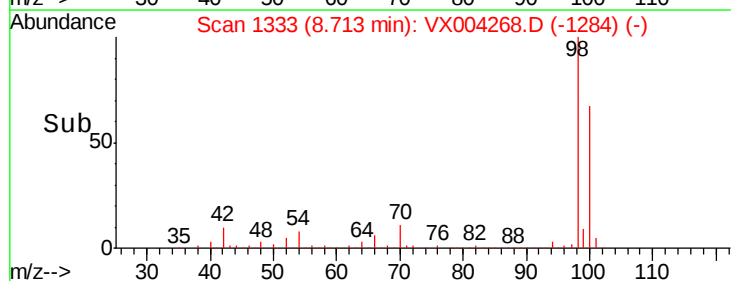
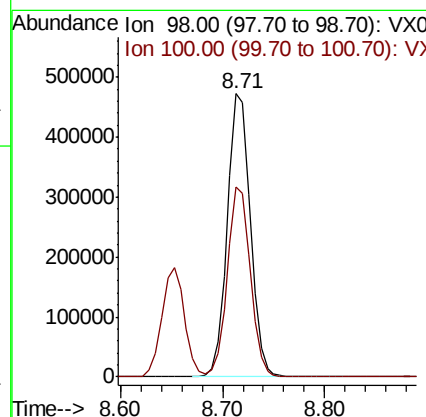
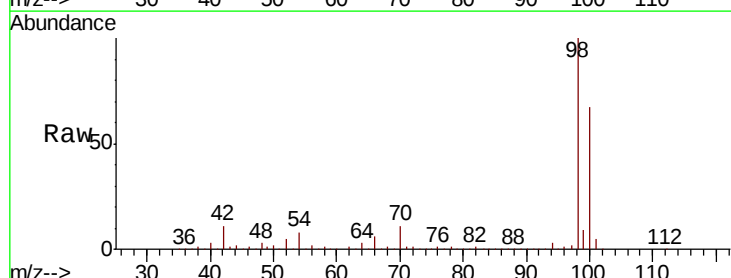
Manual Integrations
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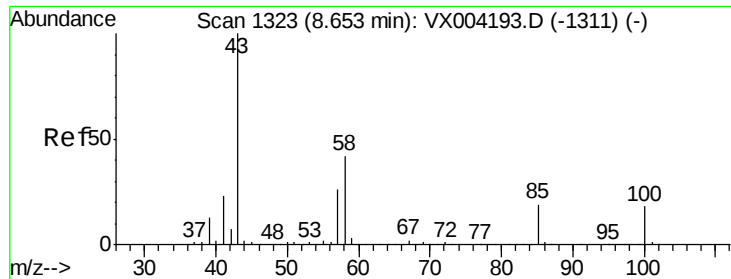
MMDadoda
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#50
Toluene-d8
Concen: 49.96 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.00 min
Lab File: VX004268.D
Acq: 28 Aug 2018 10:46

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.0	53.3	79.9





#51

4-Methyl-2-Pentanone

Concen: 240.63 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX004268.D

Acq: 28 Aug 2018 10:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1567037

Ion Ratio Lower Upper

43 100

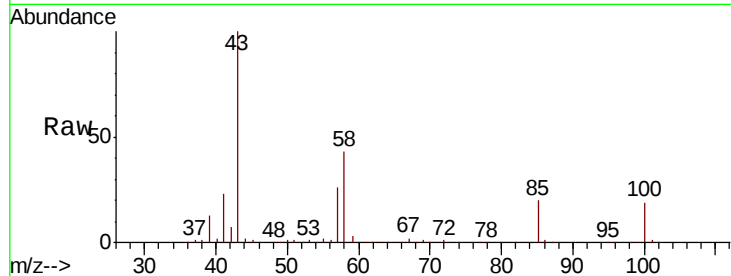
58 42.2 33.0 49.6

Manual Integrations

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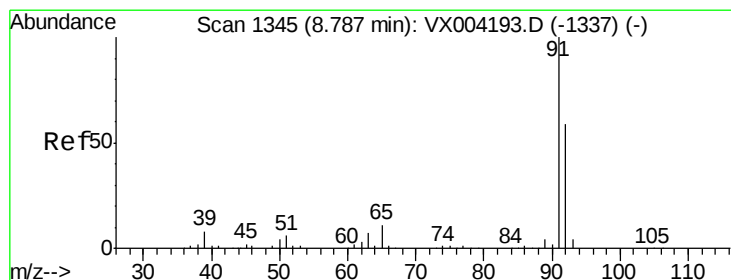
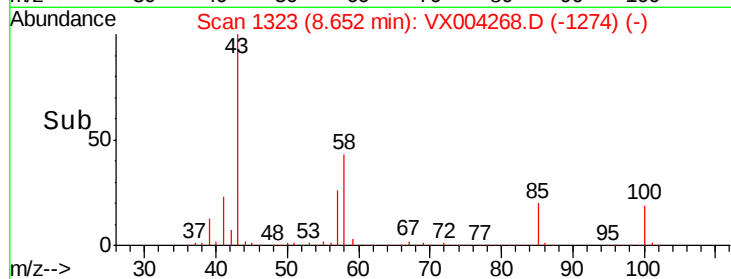
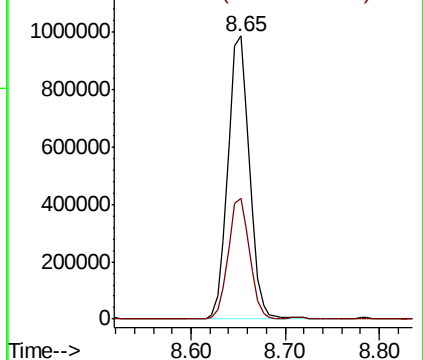
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 51.94 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX004268.D

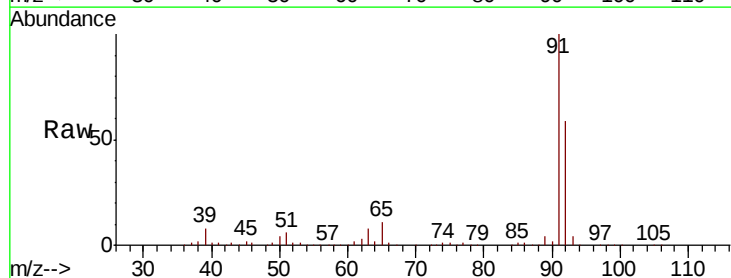
Acq: 28 Aug 2018 10:46

Tgt Ion: 92 Resp: 576218

Ion Ratio Lower Upper

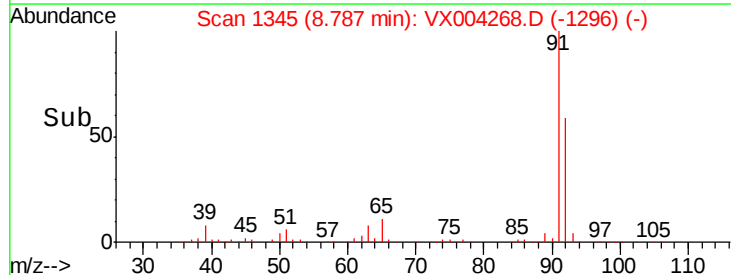
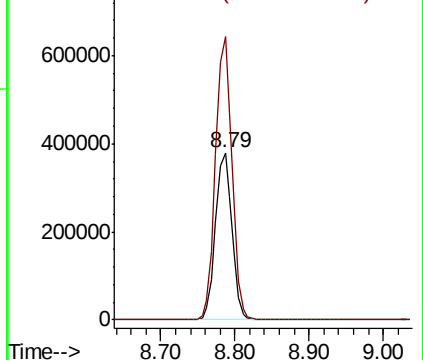
92 100

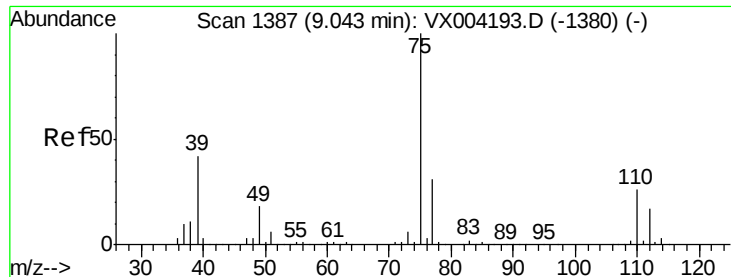
91 169.2 136.1 204.1



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





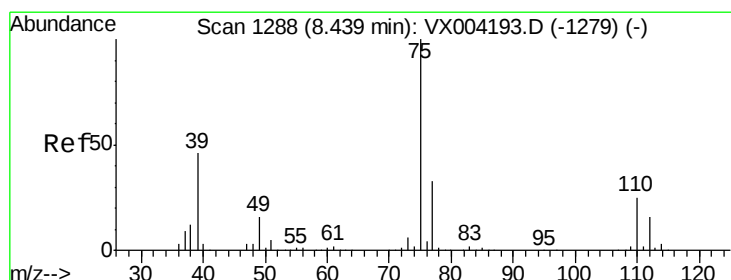
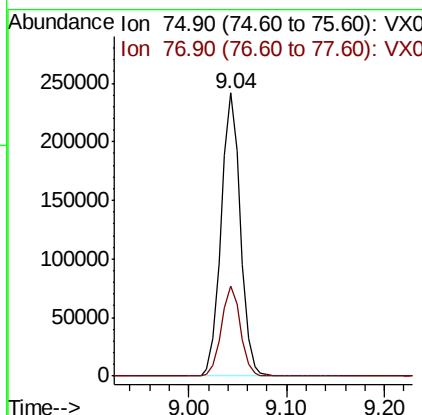
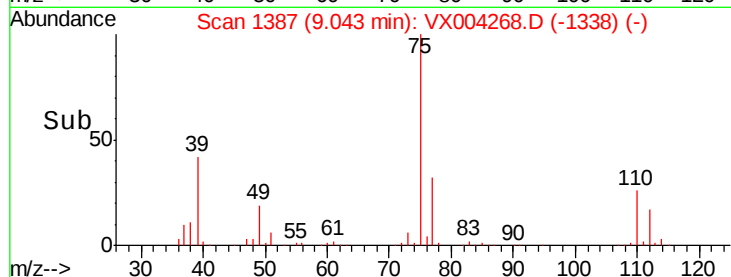
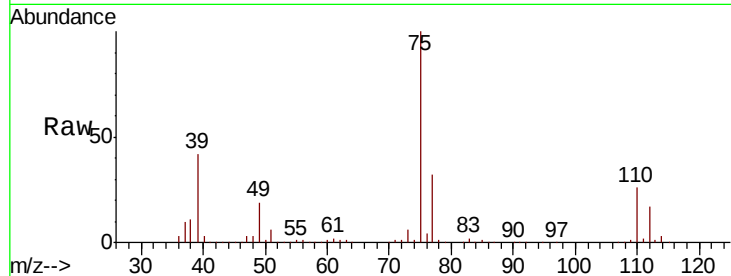
#53
t-1,3-Dichloropropene
Concen: 54.41 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. -0.00 min
Lab File: VX004268.D
Acq: 28 Aug 2018 10:46

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion: 75 Resp: 330226
Ion Ratio Lower Upper
75 100
77 31.6 25.1 37.7

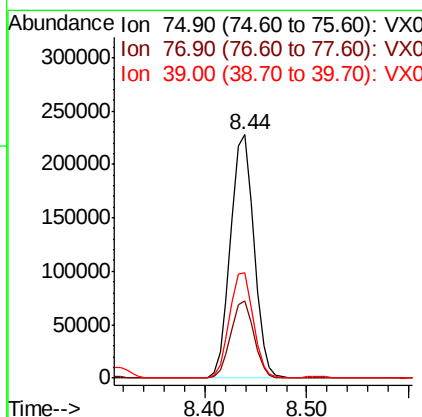
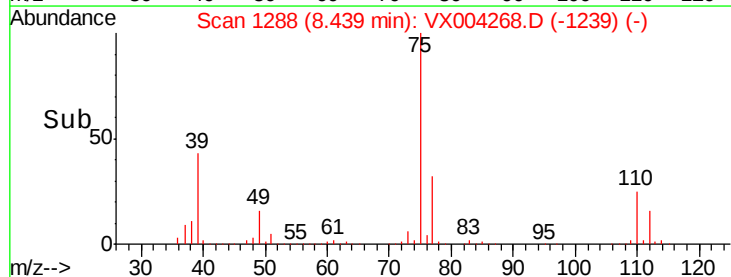
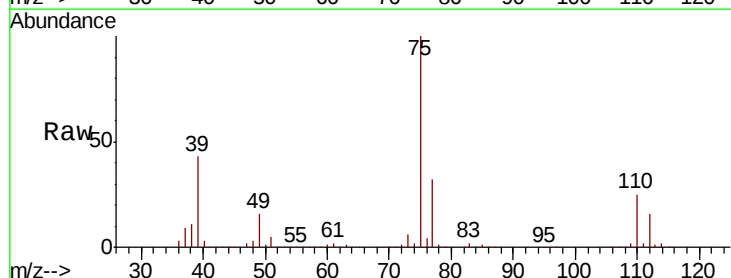
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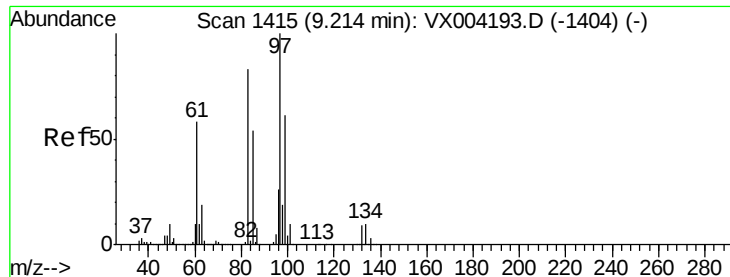
MMDadoda
8/29/2018 5:51:18 PM



#54
cis-1,3-Dichloropropene
Concen: 54.63 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX004268.D
Acq: 28 Aug 2018 10:46

Tgt Ion: 75 Resp: 361203
Ion Ratio Lower Upper
75 100
77 31.9 25.3 37.9
39 43.3 36.2 54.2





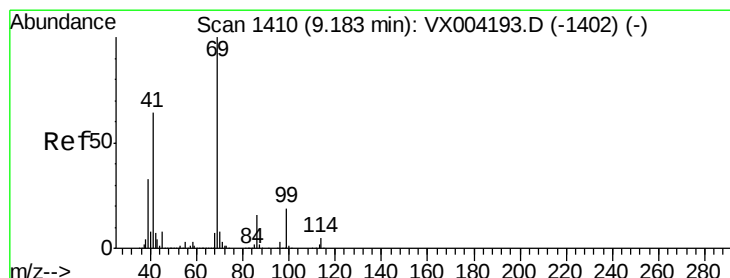
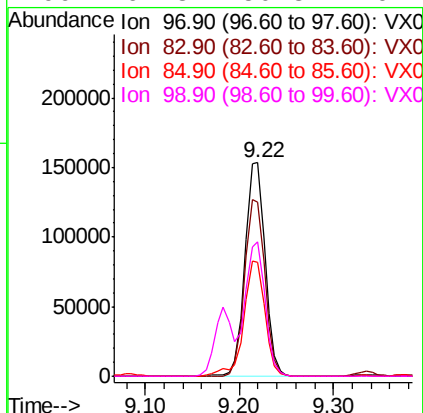
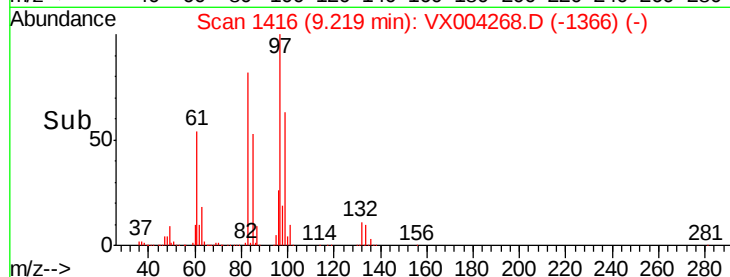
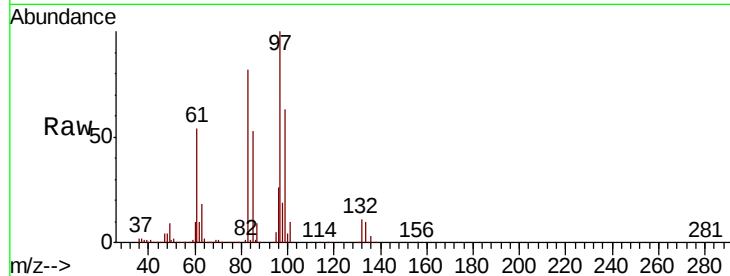
#55
 1,1,2-Trichloroethane
 Concen: 51.41 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.01 min
 Lab File: VX004268.D
 Acq: 28 Aug 2018 10:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	230239
Ion	Ratio	Lower	Upper
97	100		
83	81.6	67.8	101.6
85	53.5	44.2	66.2
99	62.8	50.8	76.2

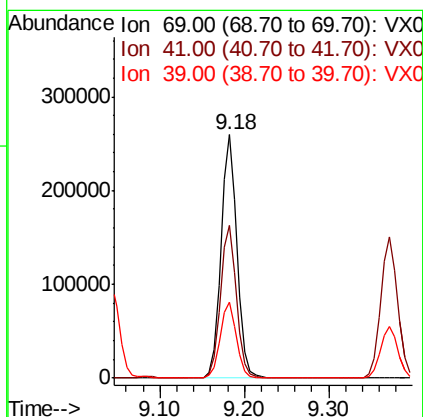
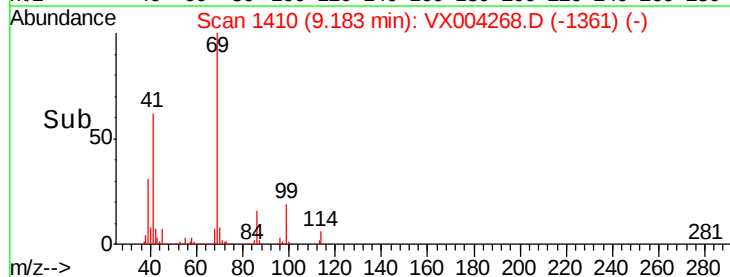
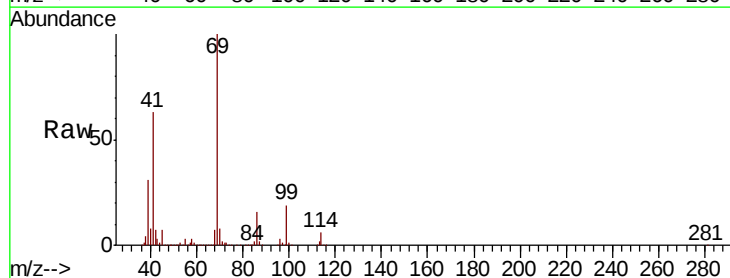
Manual Integrations
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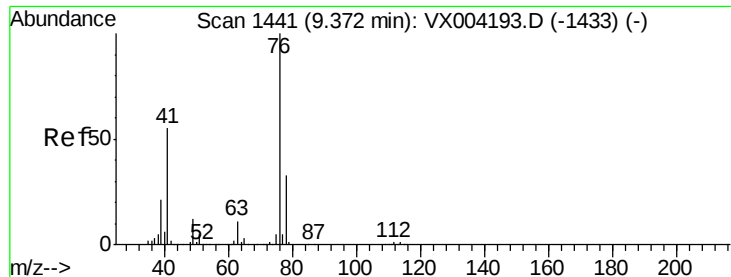
MMDadoda
 8/29/2018 5:51:18 PM



#56
 Ethyl methacrylate
 Concen: 55.83 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX004268.D
 Acq: 28 Aug 2018 10:46

Tgt Ion:	69	Resp:	340339
Ion	Ratio	Lower	Upper
69	100		
41	62.8	50.6	76.0
39	31.8	25.8	38.6





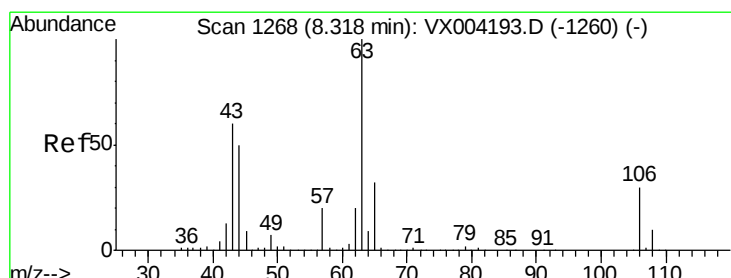
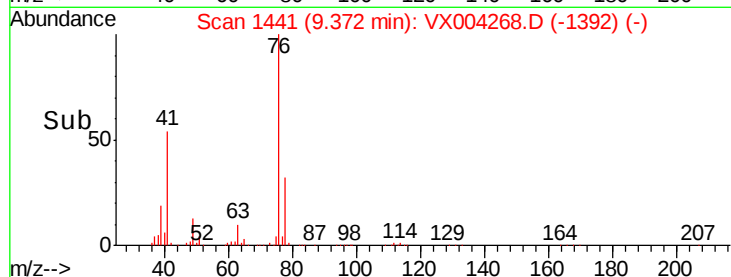
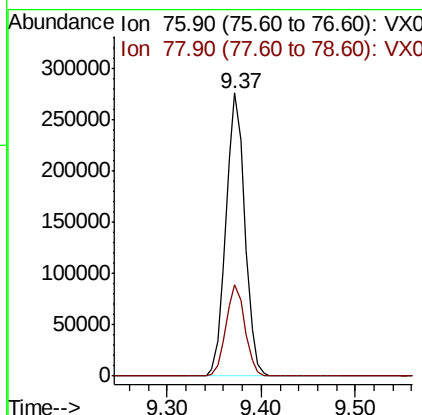
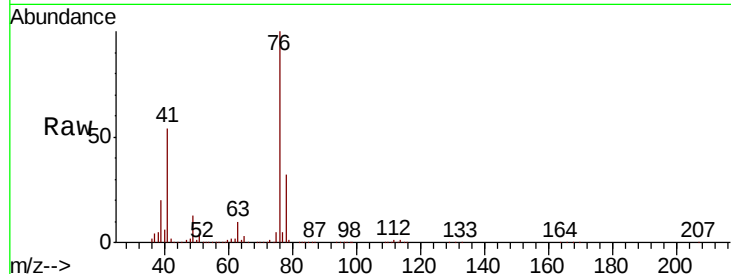
#57
 1,3-Dichloropropane
 Concen: 50.93 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VX004268.D
 Acq: 28 Aug 2018 10:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.9	38.9

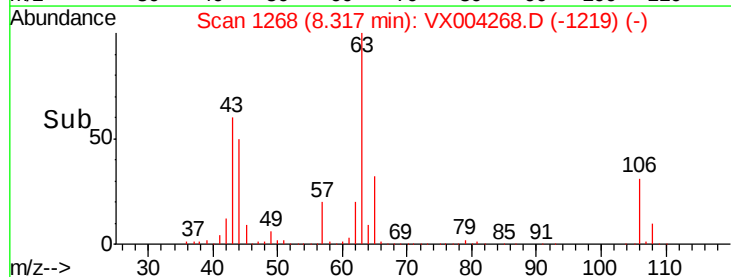
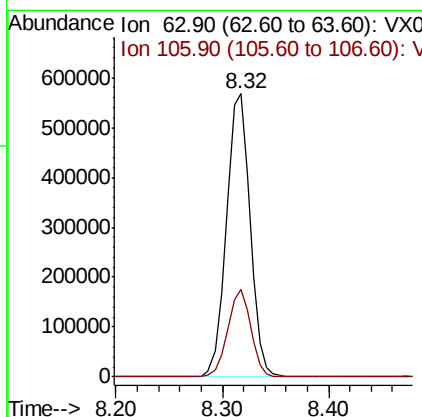
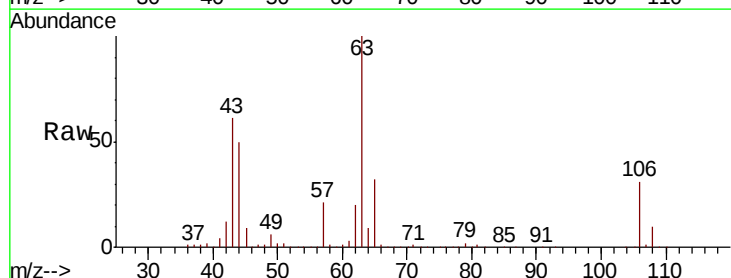
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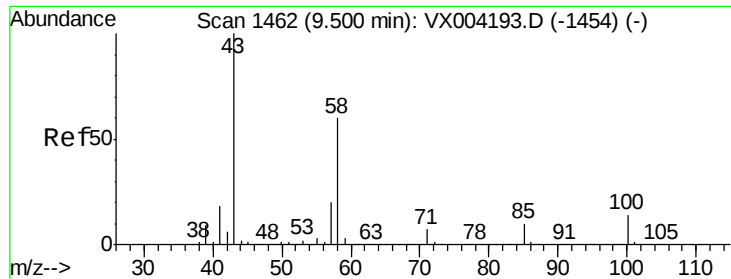
MMDadoda
 8/29/2018 5:51:18 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 283.20 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VX004268.D
 Acq: 28 Aug 2018 10:46

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.3	23.8	35.8





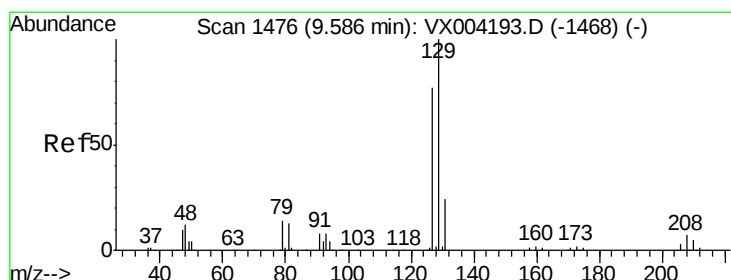
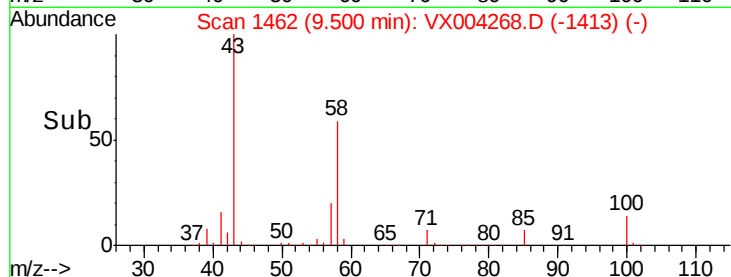
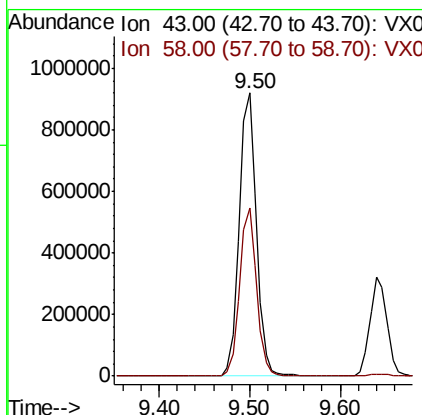
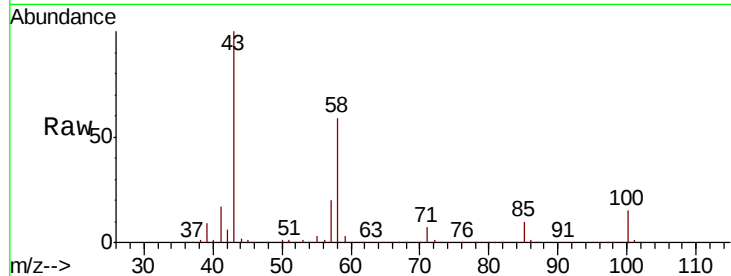
#59
2-Hexanone
Concen: 243.88 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX004268.D
Acq: 28 Aug 2018 10:46

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion: 43 Resp: 1211672
Ion Ratio Lower Upper
43 100
58 58.5 29.0 87.0

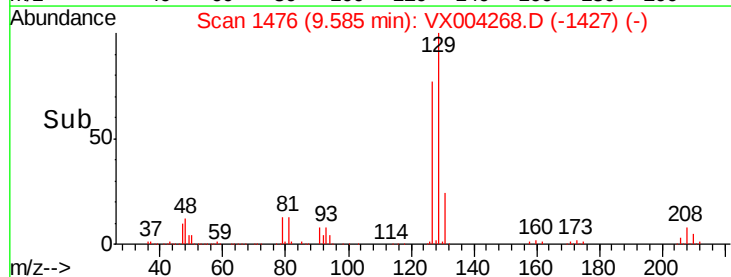
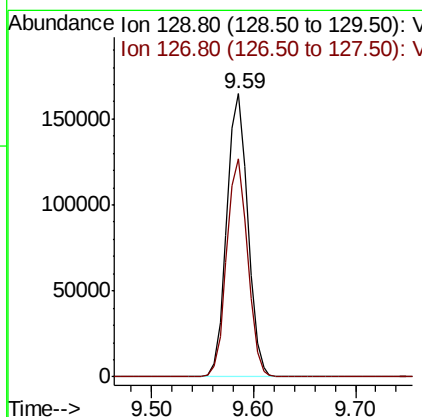
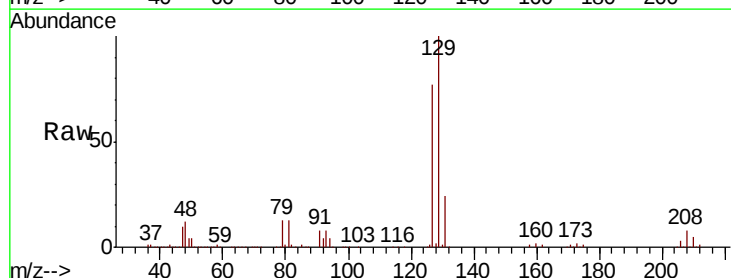
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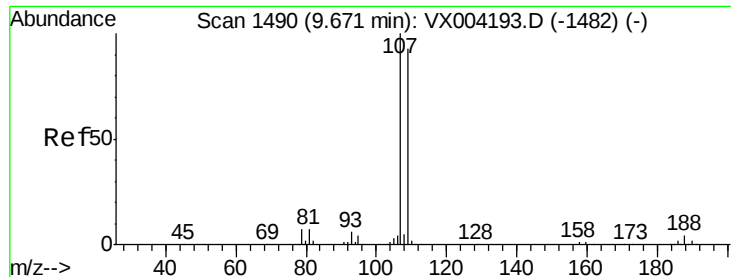
MMDadoda
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#60
Dibromochloromethane
Concen: 53.63 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX004268.D
Acq: 28 Aug 2018 10:46

Tgt Ion: 129 Resp: 233970
Ion Ratio Lower Upper
129 100
127 77.1 38.8 116.3





#61

1,2-Dibromoethane

Concen: 51.06 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.01 min

Lab File: VX004268.D

Acq: 28 Aug 2018 10:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 236611

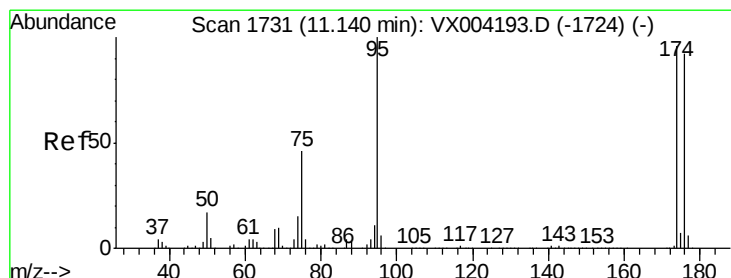
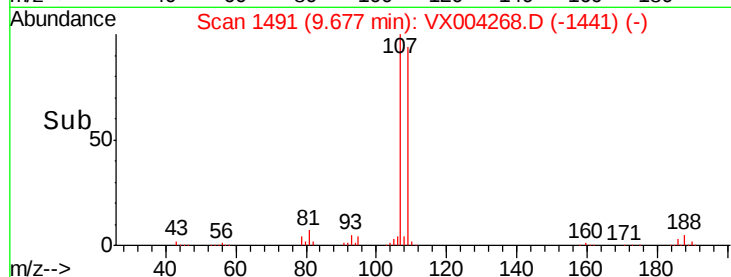
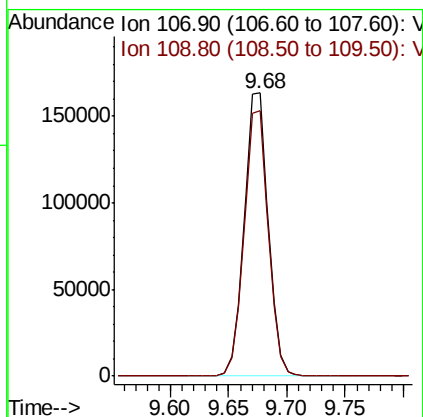
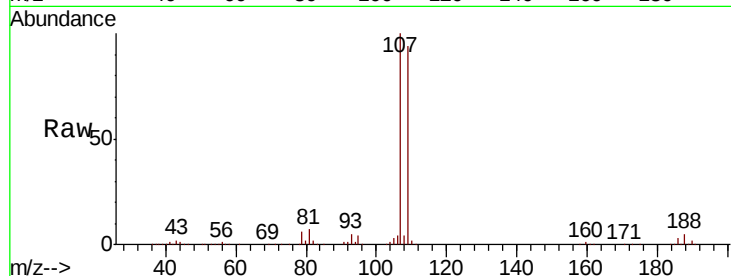
Ion Ratio Lower Upper

107 100

109 94.4 75.8 113.8

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 49.44 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004268.D

Acq: 28 Aug 2018 10:46

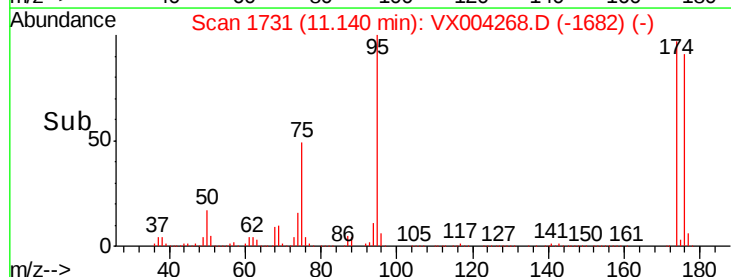
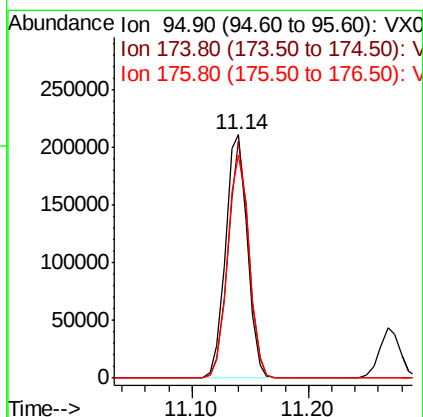
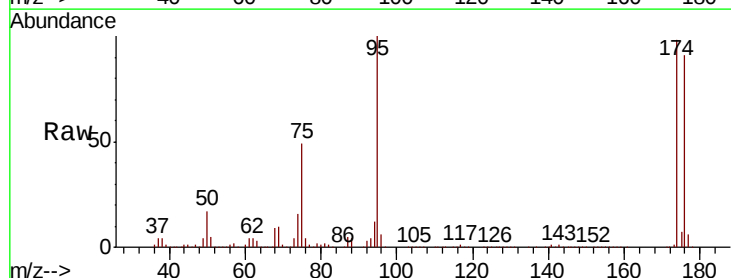
Tgt Ion: 95 Resp: 273313

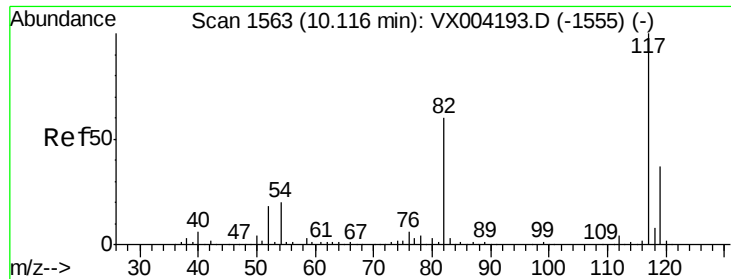
Ion Ratio Lower Upper

95 100

174 91.8 0.0 182.8

176 91.0 0.0 179.0





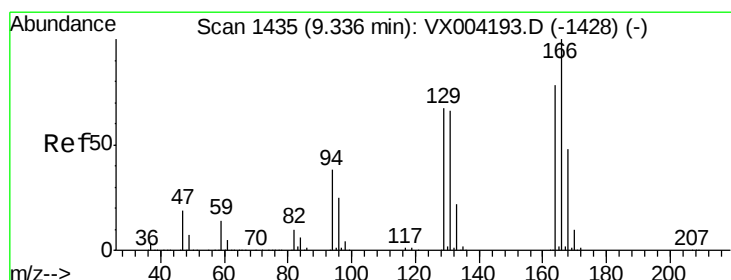
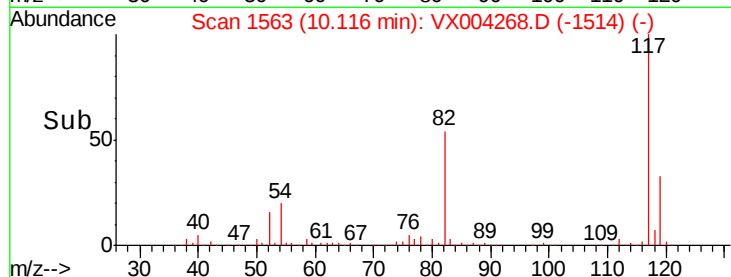
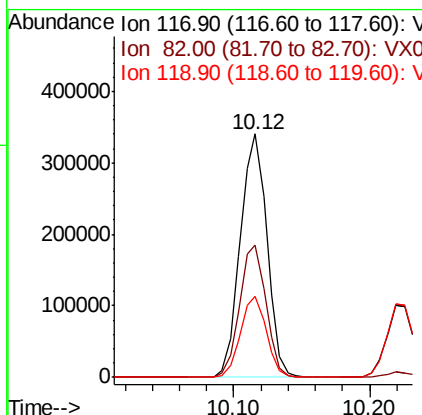
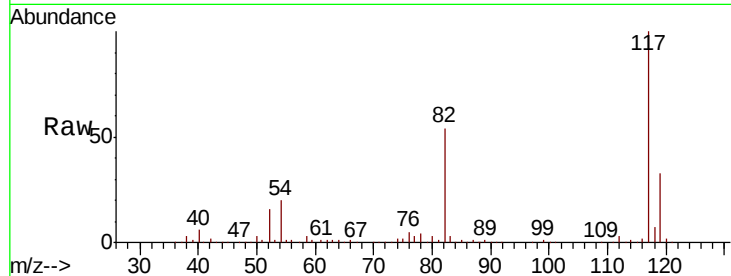
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004268.D
Acq: 28 Aug 2018 10:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.3	45.4	68.0
119	33.2	26.6	40.0

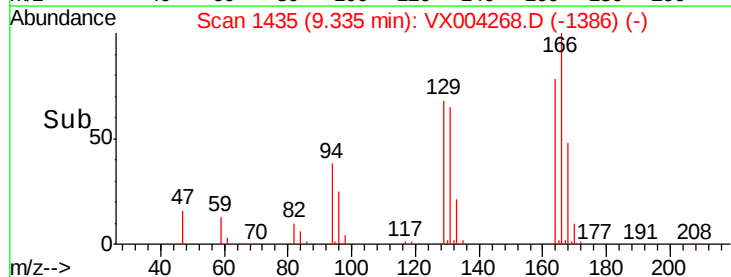
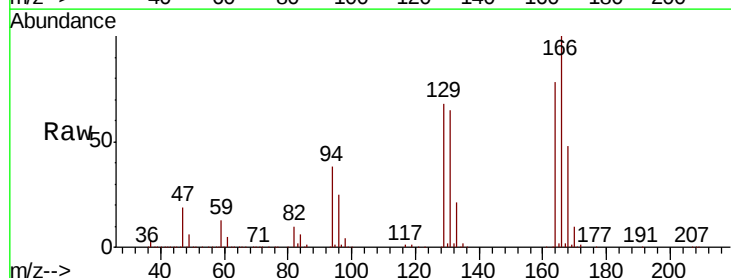
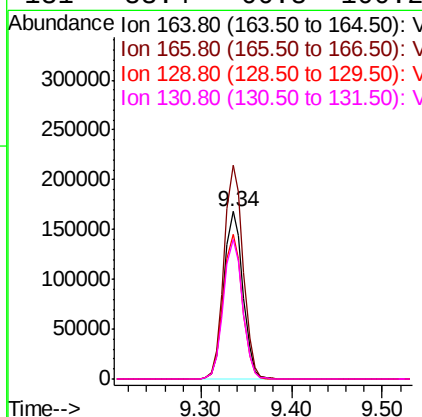
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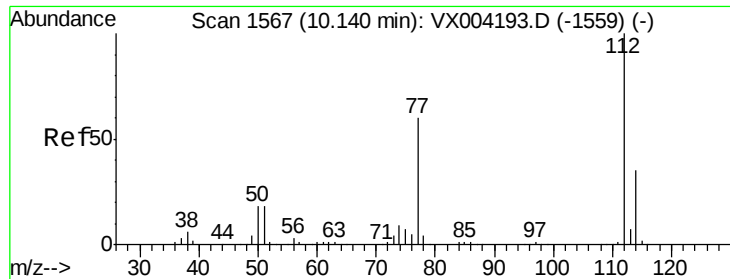
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#64
Tetrachloroethene
Concen: 53.30 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX004268.D
Acq: 28 Aug 2018 10:46

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.6	98.0	147.0
129	86.8	64.3	96.5
131	83.4	66.8	100.2





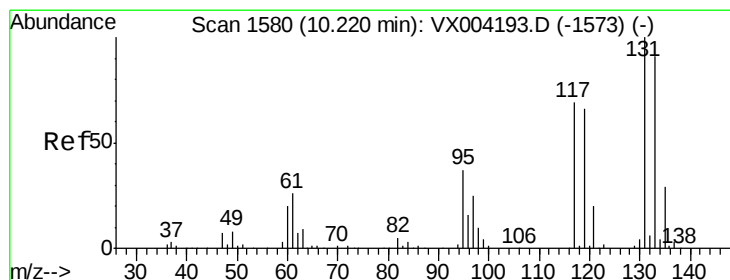
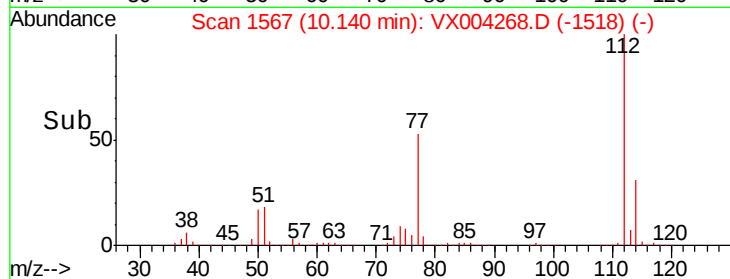
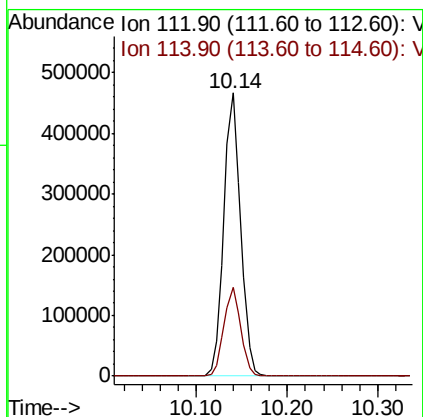
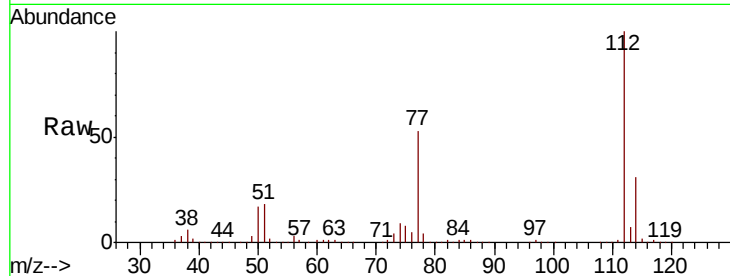
#65
Chlorobenzene
Concen: 51.52 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX004268.D
Acq: 28 Aug 2018 10:46

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion:112 Resp: 602861
Ion Ratio Lower Upper
112 100
114 31.3 23.6 35.4

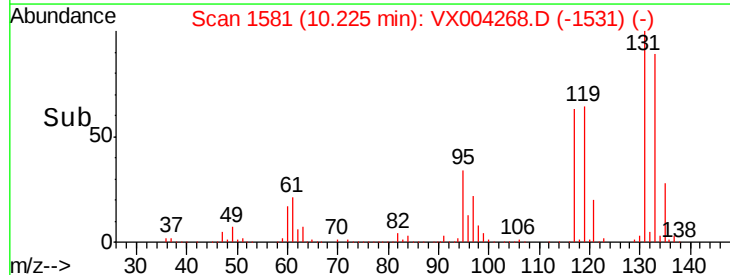
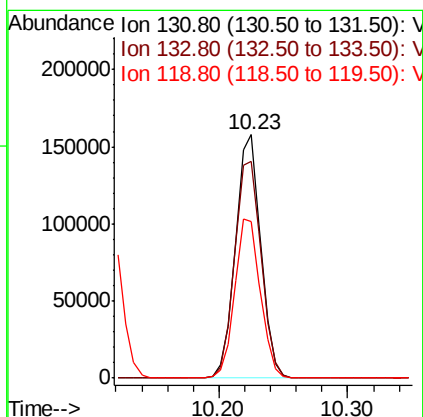
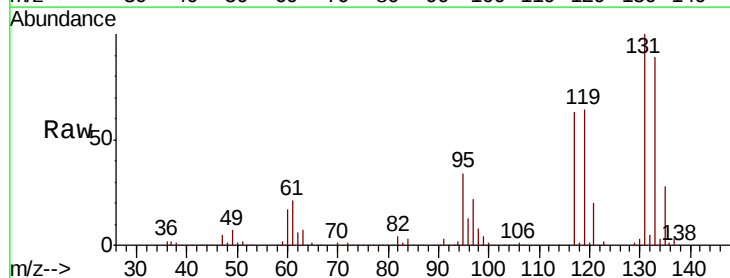
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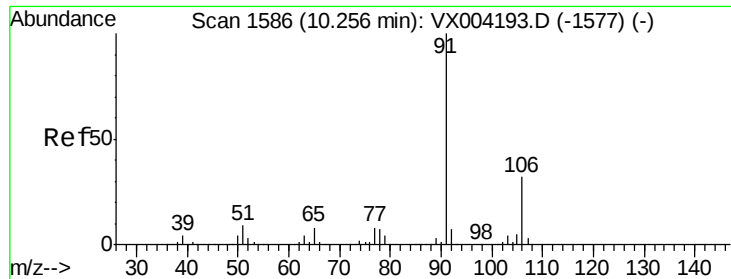
MMDadoda
8/29/2018 5:51:18 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 53.33 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.01 min
Lab File: VX004268.D
Acq: 28 Aug 2018 10:46

Tgt Ion:131 Resp: 215239
Ion Ratio Lower Upper
131 100
133 93.9 47.3 141.8
119 66.5 31.6 94.8





#67

Ethyl Benzene

Concen: 54.28 ug/l

RT: 10.25 min Scan# 1585

Delta R.T. -0.01 min

Lab File: VX004268.D

Acq: 28 Aug 2018 10:46

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 1031527

Ion Ratio Lower Upper

91 100

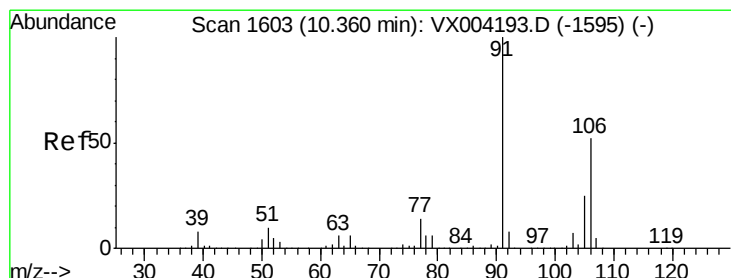
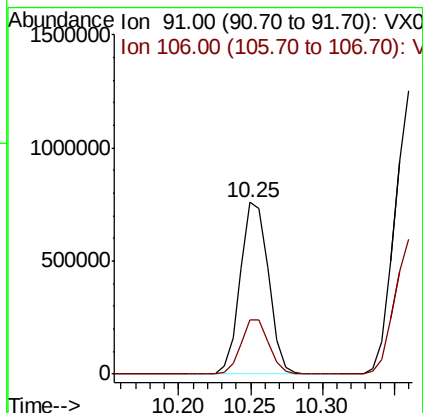
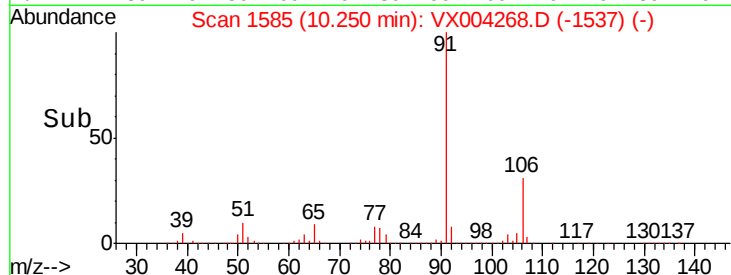
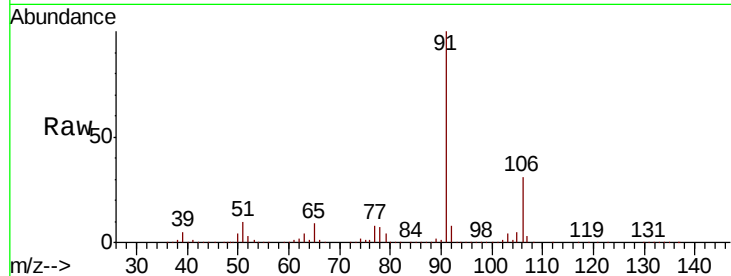
106 31.3 25.9 38.9

Manual Integrations

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#68

m/p-Xylenes

Concen: 108.18 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VX004268.D

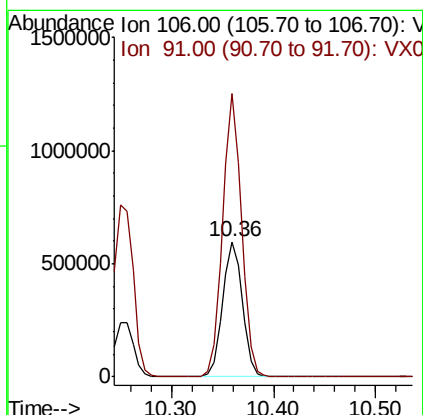
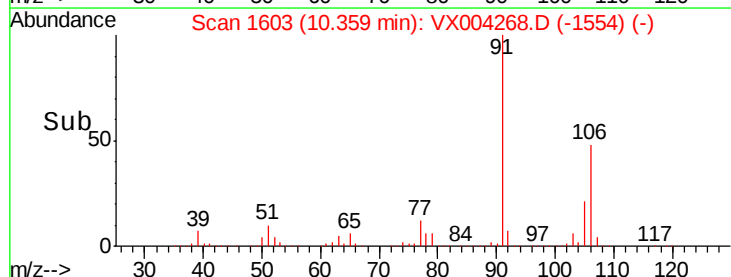
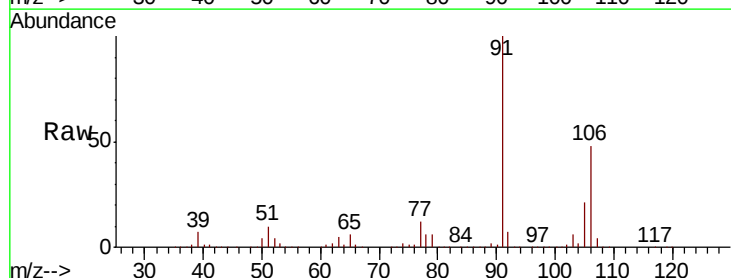
Acq: 28 Aug 2018 10:46

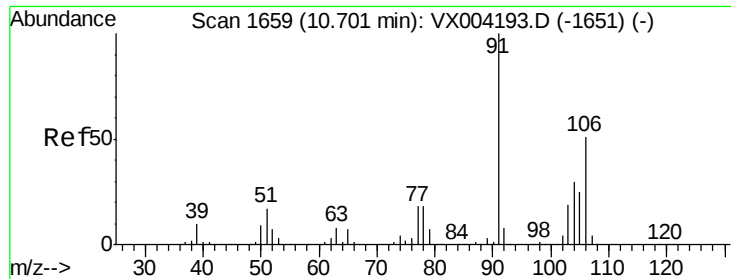
Tgt Ion: 106 Resp: 803867

Ion Ratio Lower Upper

106 100

91 201.4 162.3 243.5





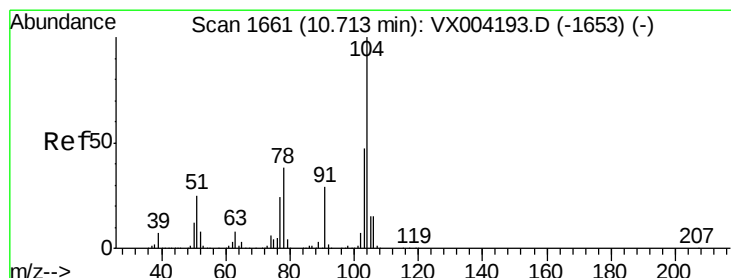
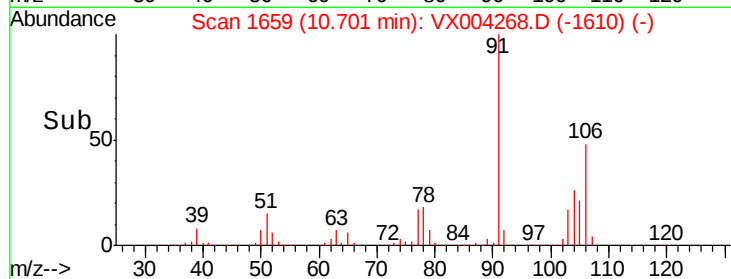
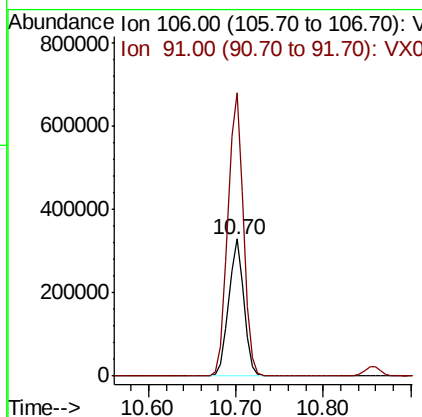
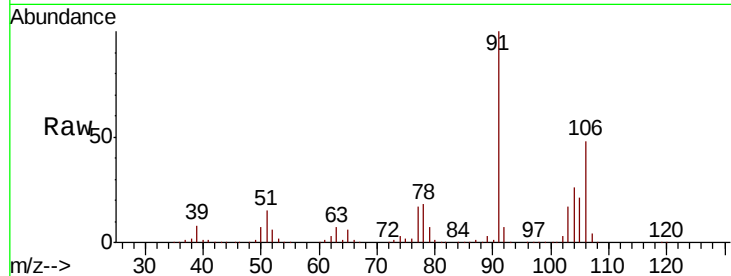
#69
o-Xylene
Concen: 56.51 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX004268.D
Acq: 28 Aug 2018 10:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	209.9	101.9	305.7

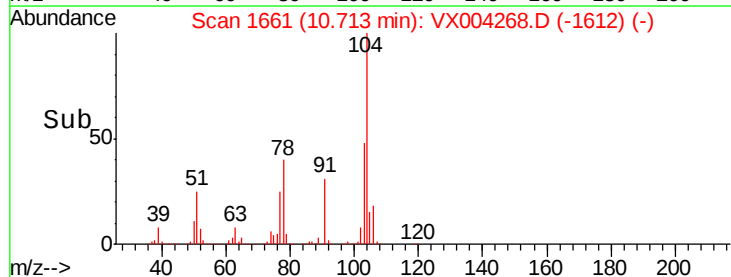
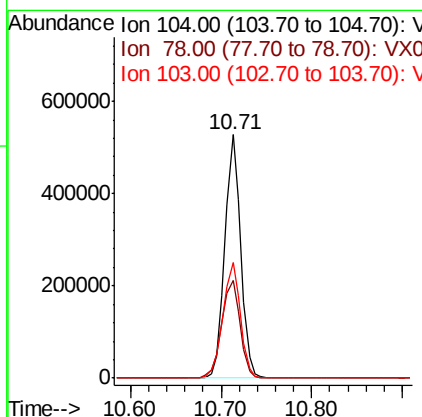
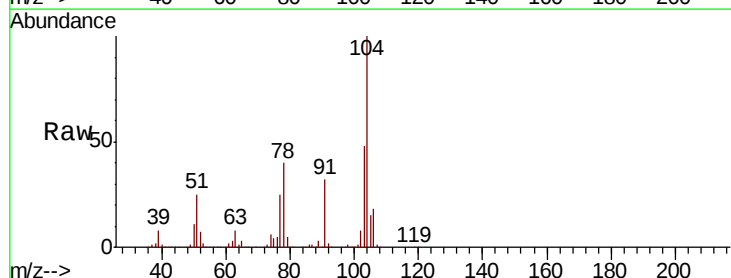
Manual Integrations
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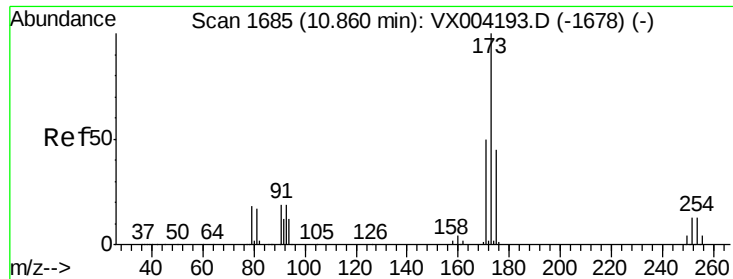
MMDadoda
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#70
Styrene
Concen: 56.42 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX004268.D
Acq: 28 Aug 2018 10:46

Tgt Ion	Ratio	Lower	Upper
104	100		
78	46.7	39.8	59.6
103	52.6	44.3	66.5





#71

Bromoform

Concen: 53.35 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VX004268.D

Acq: 28 Aug 2018 10:46

Instrument :

MSVOA_X

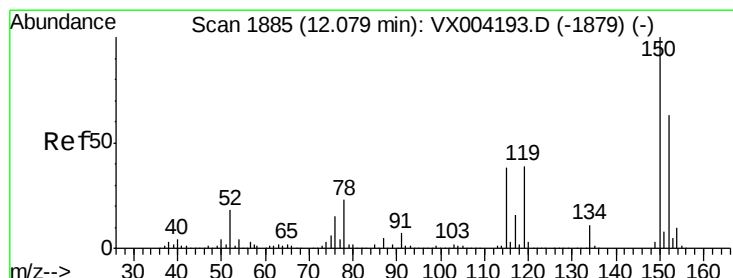
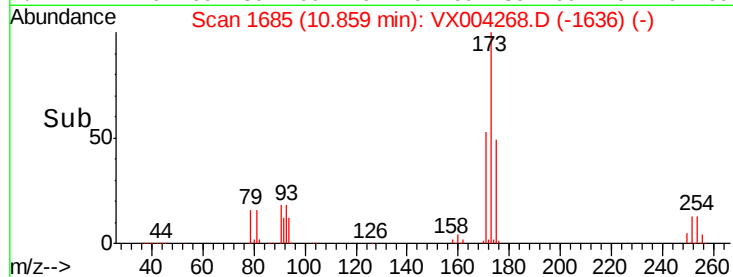
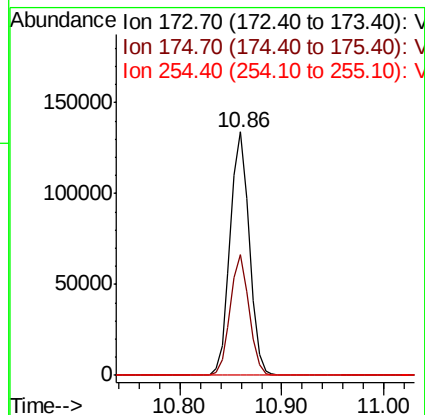
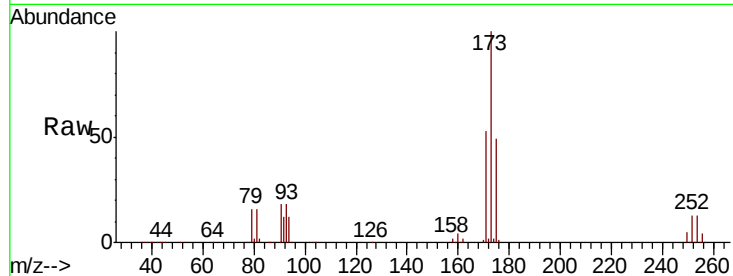
ClientSampleId :

VSTDCCC050

Tot Ion:	173	Resp:	173561
Ion Ratio	Lower	Upper	
173	100		
175	48.6	24.9	74.7
254	0.2	0.2	0.2

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

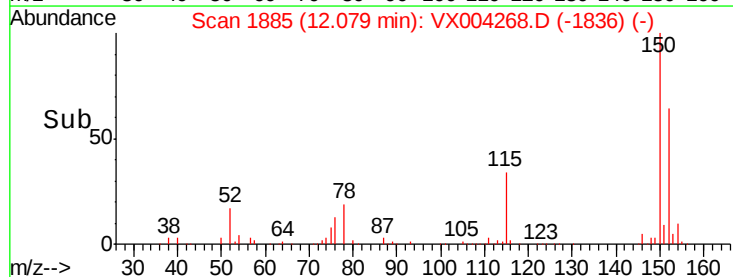
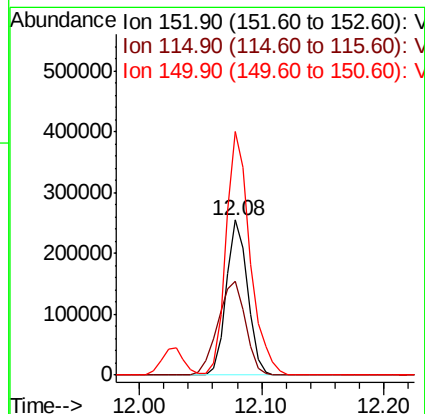
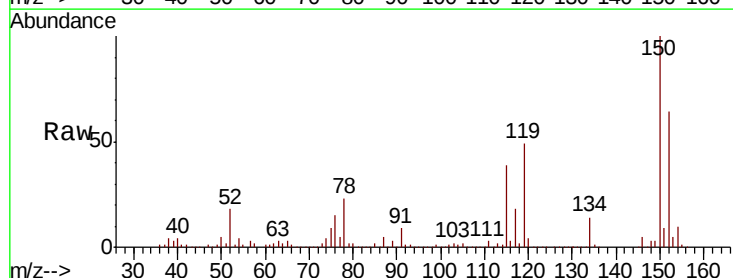
RT: 12.08 min Scan# 1885

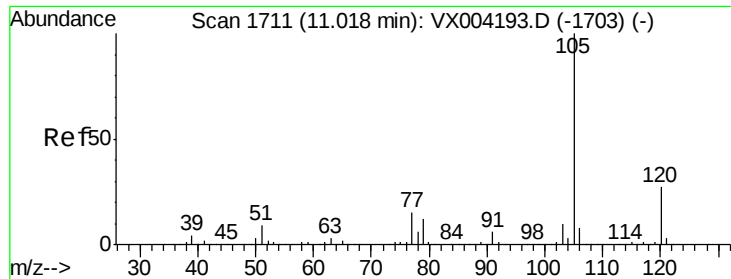
Delta R.T. -0.00 min

Lab File: VX004268.D

Acq: 28 Aug 2018 10:46

Tgt Ion:	152	Resp:	305917
Ion Ratio	Lower	Upper	
152	100		
115	78.9	39.1	117.3
150	176.4	0.0	349.2





#73

Isopropylbenzene

Concen: 53.32 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX004268.D

Acq: 28 Aug 2018 10:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1071242

Ion Ratio Lower Upper

105 100

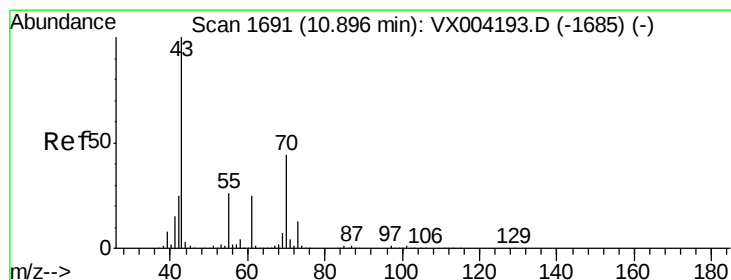
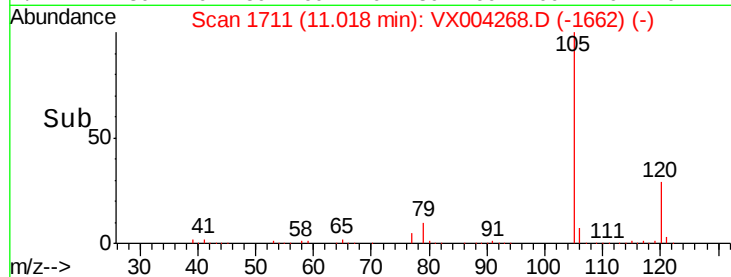
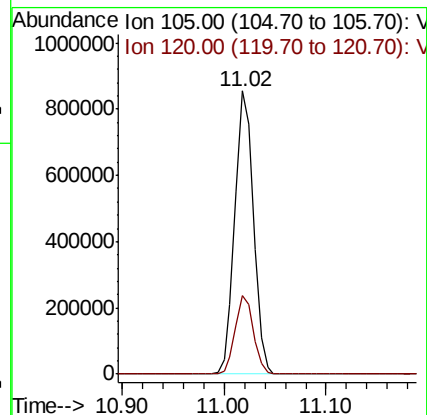
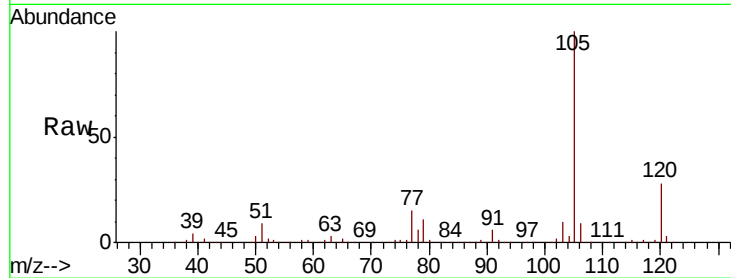
120 27.2 12.6 37.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 53.24 ug/l

RT: 10.90 min Scan# 1692

Delta R.T. 0.01 min

Lab File: VX004268.D

Acq: 28 Aug 2018 10:46

Tgt Ion: 43 Resp: 411885

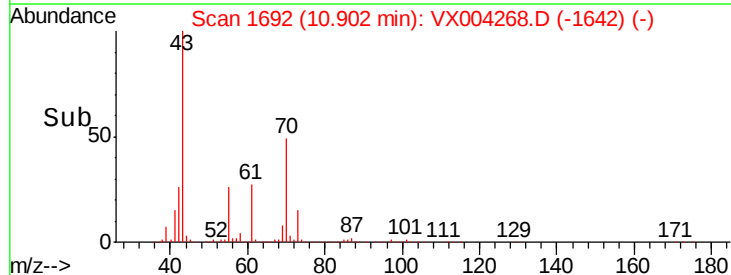
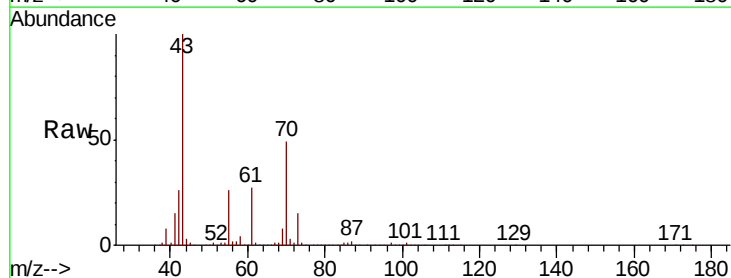
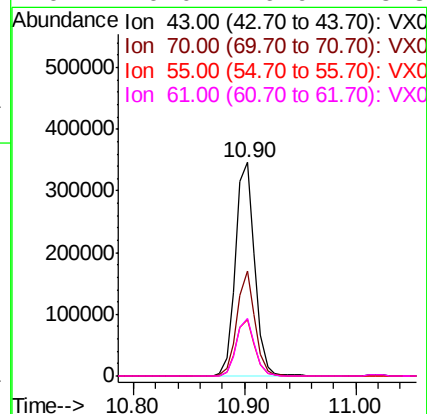
Ion Ratio Lower Upper

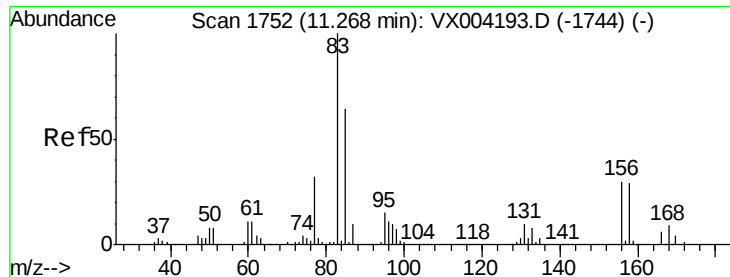
43 100

70 46.1 0.0 0.0#

55 25.9 0.1 0.1#

61 26.0 16.9 25.3#





#75

1,1,2,2-Tetrachloroethane

Concen: 49.50 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX004268.D

Acq: 28 Aug 2018 10:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 348032

Ion Ratio Lower Upper

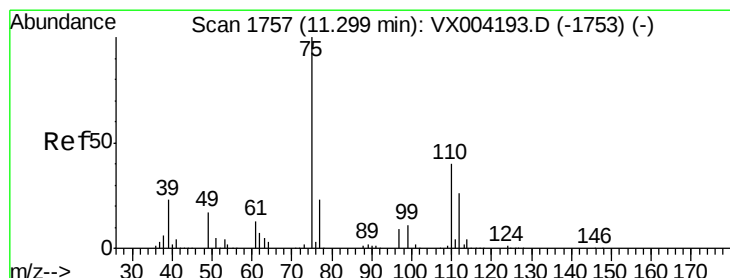
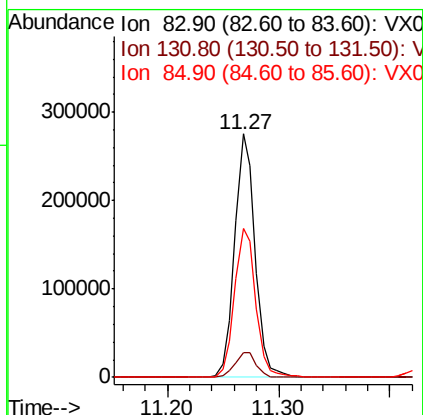
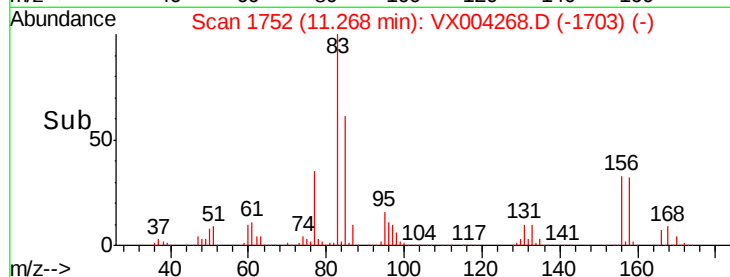
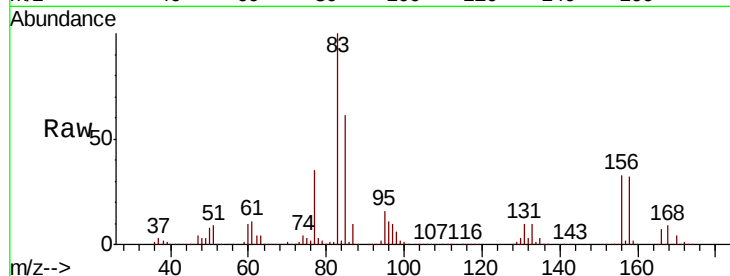
83 100

131 10.6 5.2 15.6

85 63.6 32.2 96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 52.93 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX004268.D

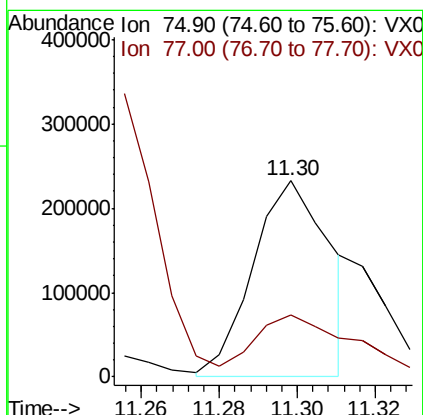
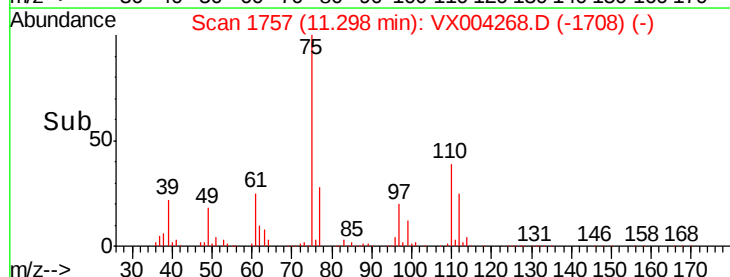
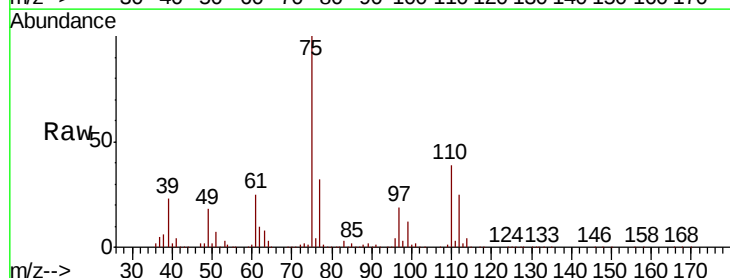
Acq: 28 Aug 2018 10:46

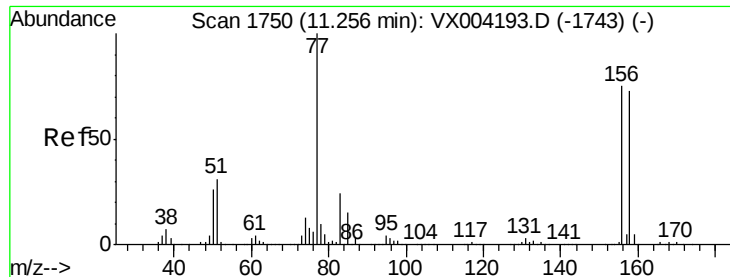
Tgt Ion: 75 Resp: 317821

Ion Ratio Lower Upper

75 100

77 40.9 20.8 62.5





#77

Bromobenzene

Concen: 52.68 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX004268.D

Acq: 28 Aug 2018 10:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 296940

Ion Ratio Lower Upper

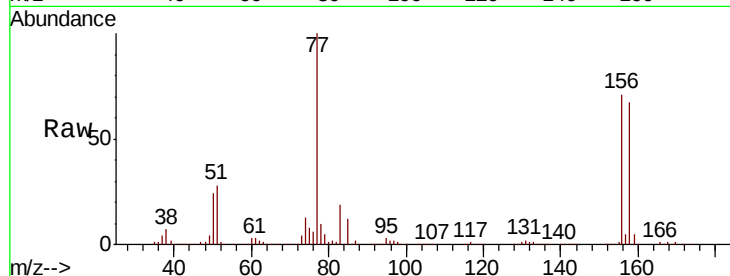
156 100

77 143.2 74.1 222.2

158 94.6 48.6 145.9

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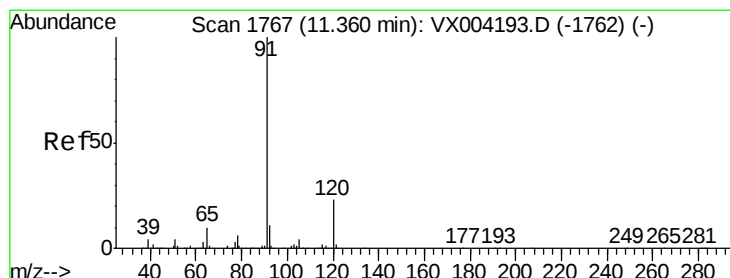
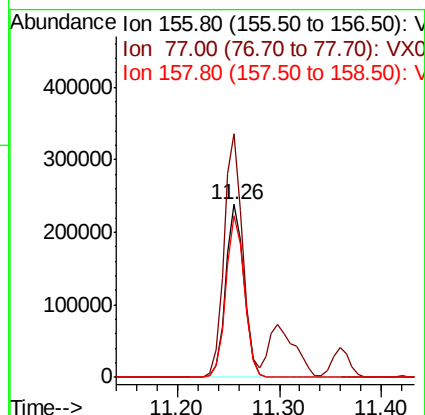
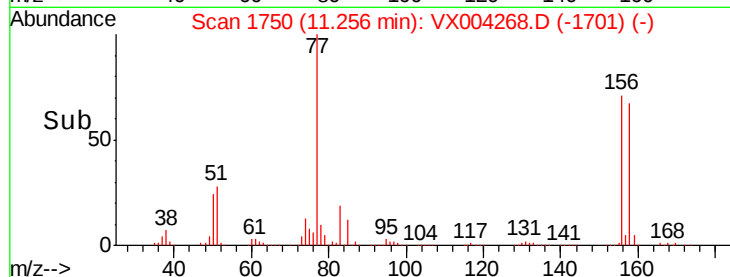
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 56.07 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX004268.D

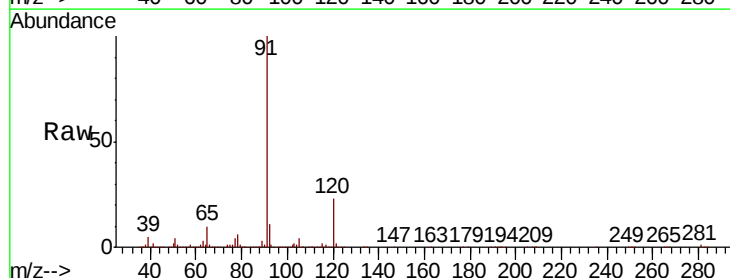
Acq: 28 Aug 2018 10:46

Tgt Ion: 91 Resp: 1295728

Ion Ratio Lower Upper

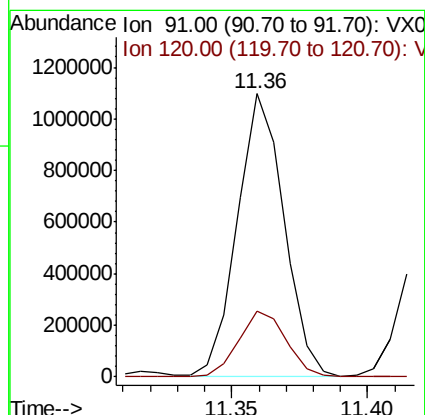
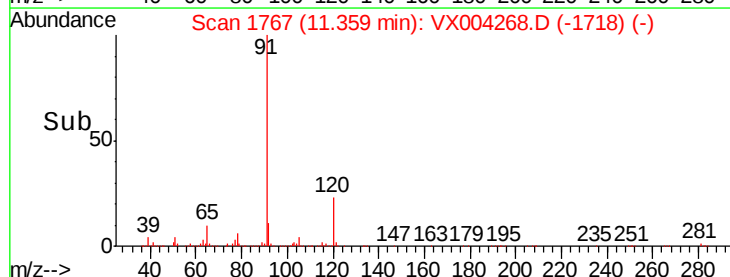
91 100

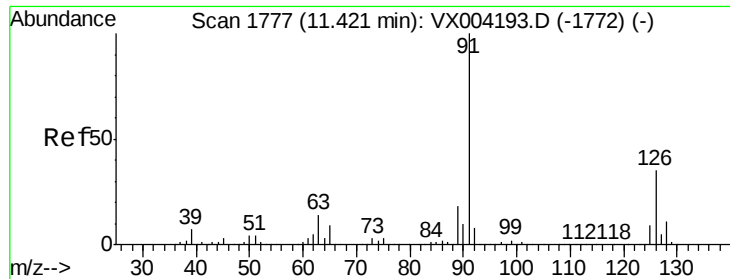
120 24.0 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.04 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.00 min

Lab File: VX004268.D

Acq: 28 Aug 2018 10:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 754459

Ion Ratio Lower Upper

91 100

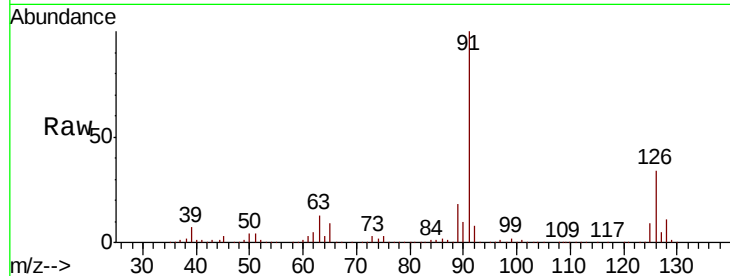
126 35.5 17.4 52.3

Manual Integrations

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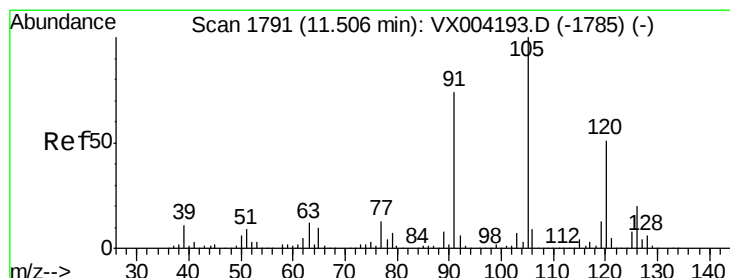
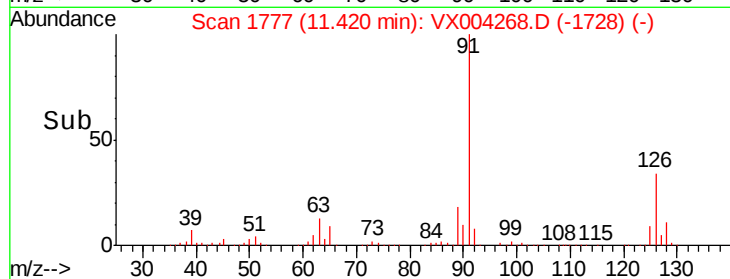
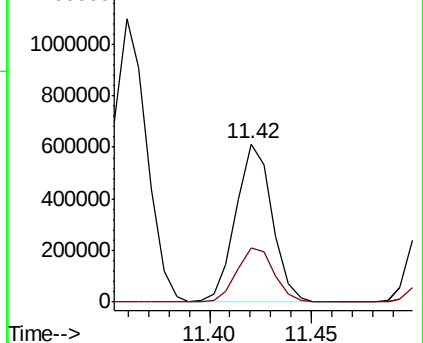
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 56.06 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX004268.D

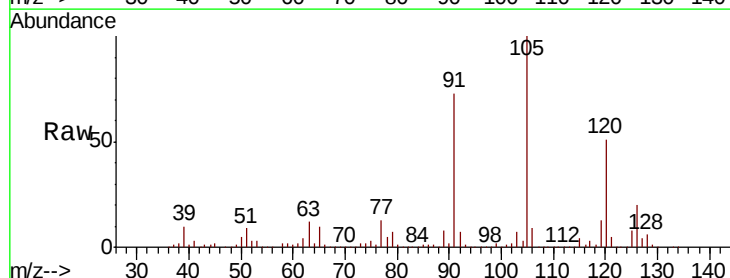
Acq: 28 Aug 2018 10:46

Tgt Ion:105 Resp: 932814

Ion Ratio Lower Upper

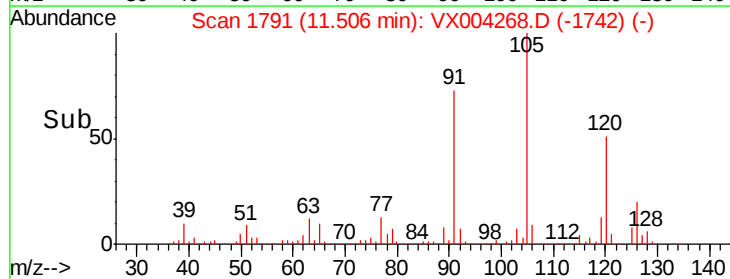
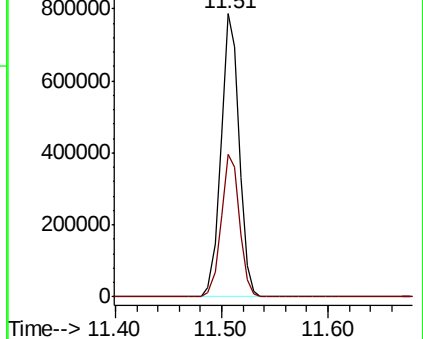
105 100

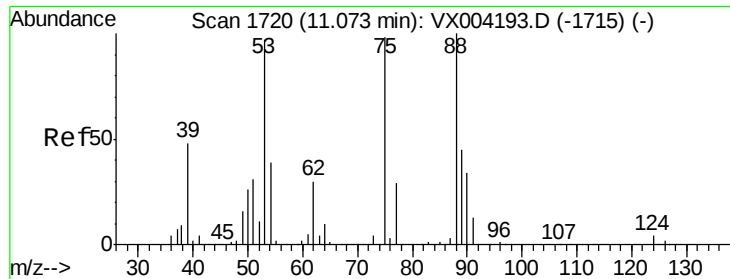
120 50.9 25.4 76.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 54.34 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.01 min

Lab File: VX004268.D

Acq: 28 Aug 2018 10:46

Instrument :

MSVOA_X

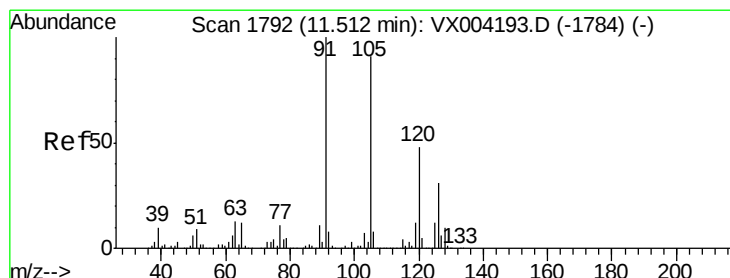
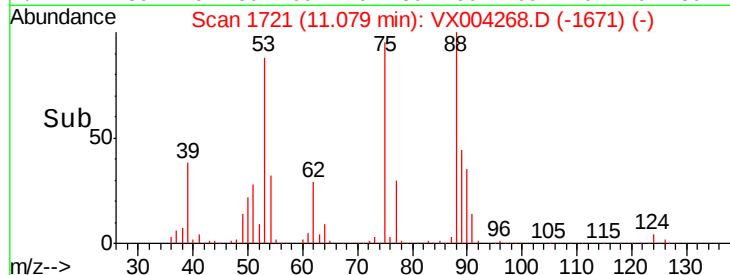
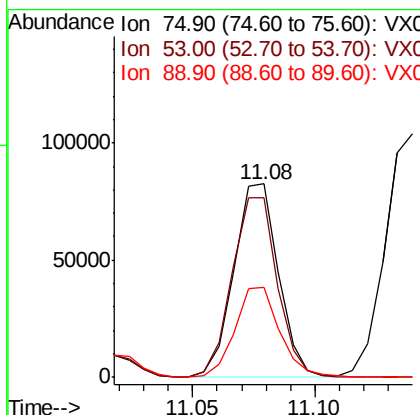
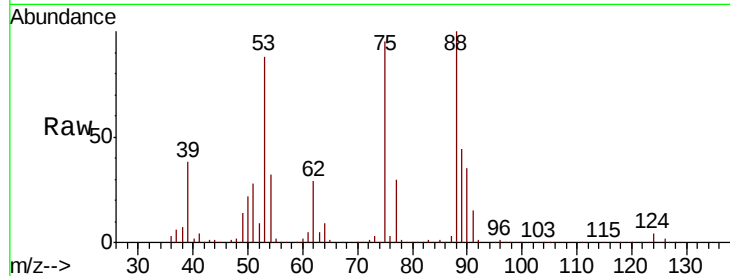
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	104193
Ion Ratio	Lower	Upper	
75	100		
53	96.3	80.3	120.5
89	47.4	37.8	56.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 53.35 ug/l

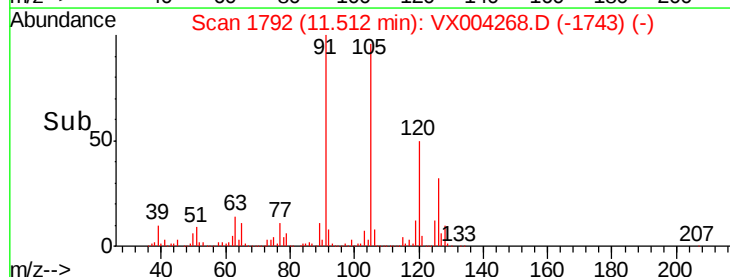
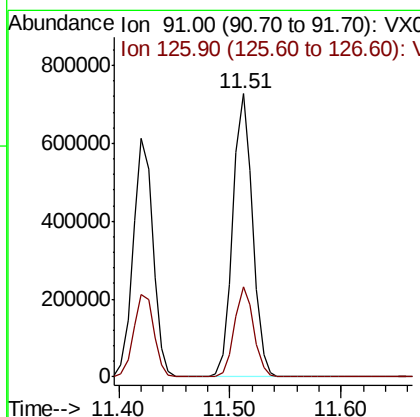
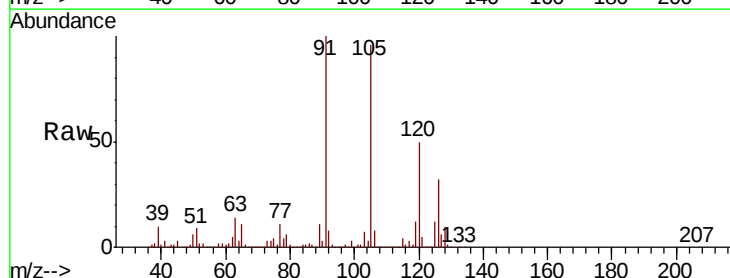
RT: 11.51 min Scan# 1792

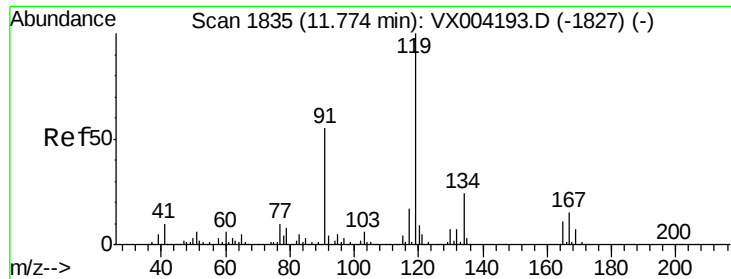
Delta R.T. -0.00 min

Lab File: VX004268.D

Acq: 28 Aug 2018 10:46

Tgt Ion:	91	Resp:	892986
Ion Ratio	Lower	Upper	
91	100		
126	31.0	15.6	46.7





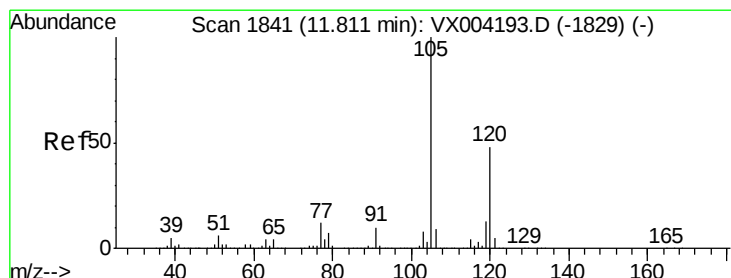
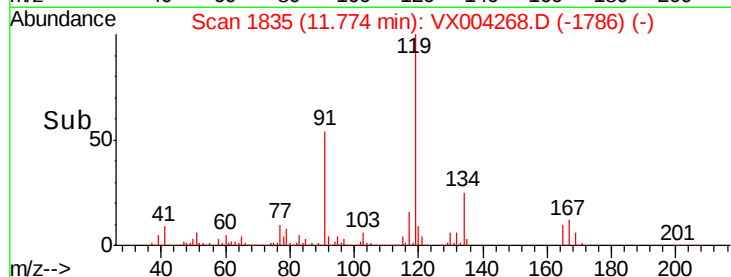
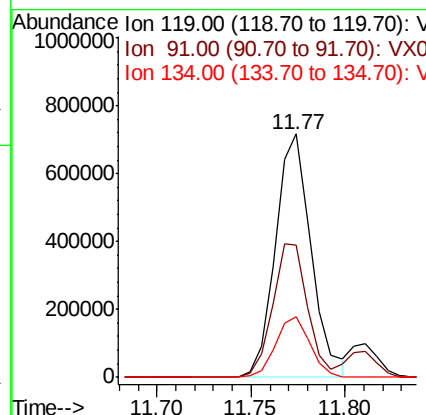
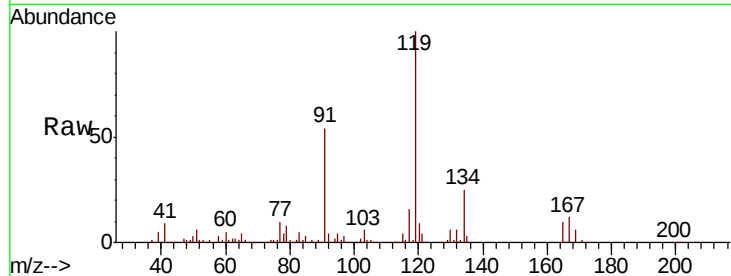
#83
 tert-Butylbenzene
 Concen: 56.02 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX004268.D
 Acq: 28 Aug 2018 10:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	53.5	26.9	80.7
134	23.9	12.0	36.0

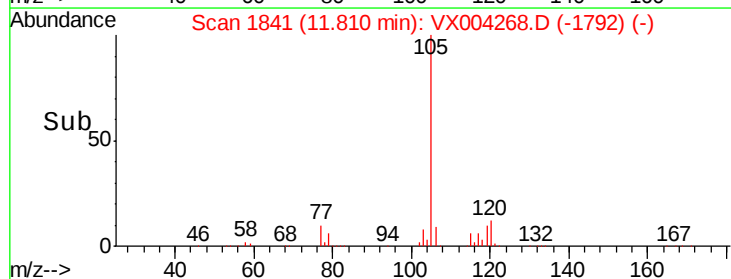
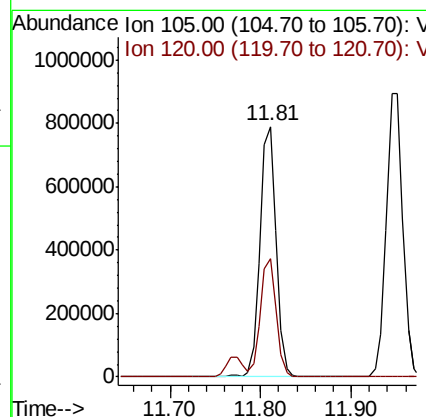
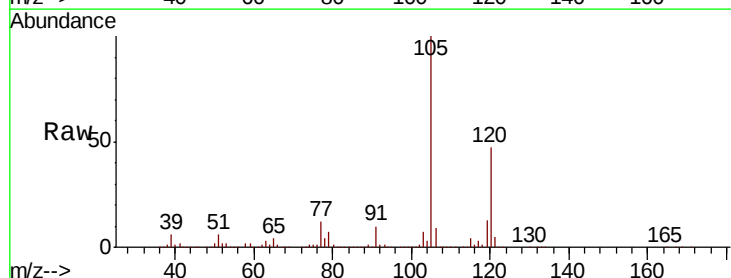
Manual Integrations
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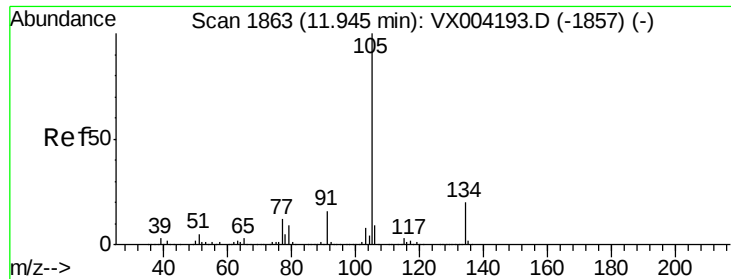
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#84
 1,2,4-Trimethylbenzene
 Concen: 56.74 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX004268.D
 Acq: 28 Aug 2018 10:46

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.4	23.1	69.2





#85

sec-Butylbenzene

Concen: 56.79 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.01 min

Lab File: VX004268.D

Acq: 28 Aug 2018 10:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1128701

Ion Ratio Lower Upper

105 100

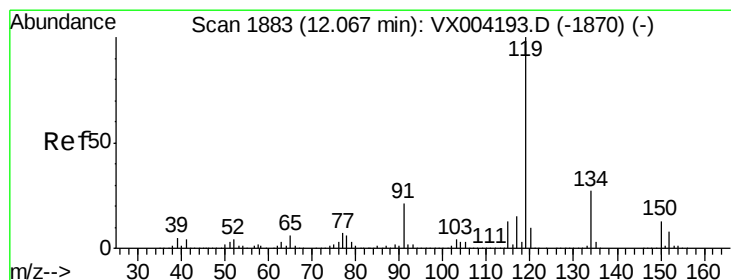
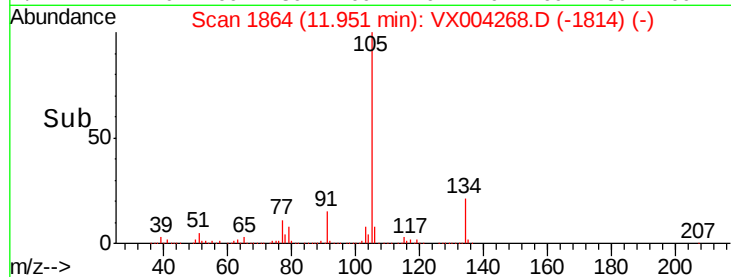
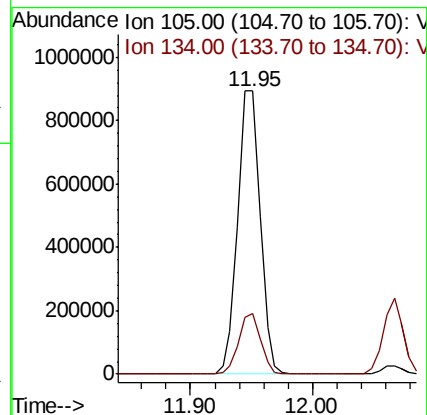
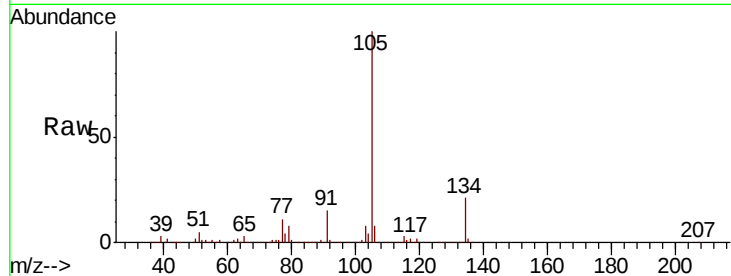
134 20.8 10.3 30.9

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 56.87 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX004268.D

Acq: 28 Aug 2018 10:46

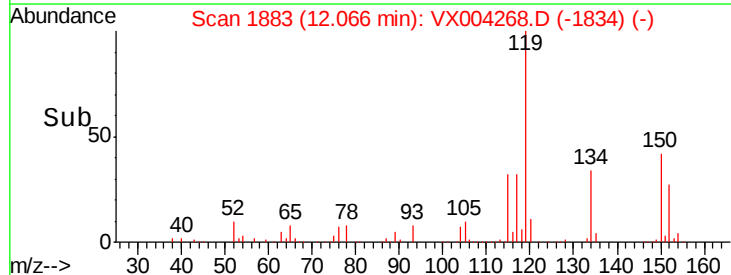
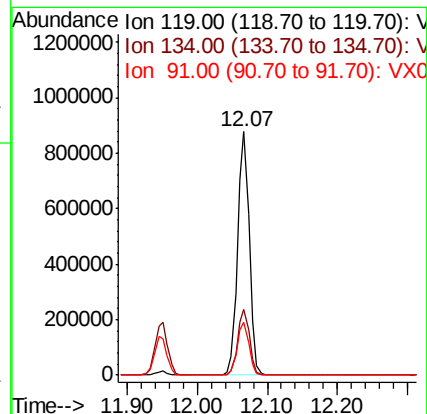
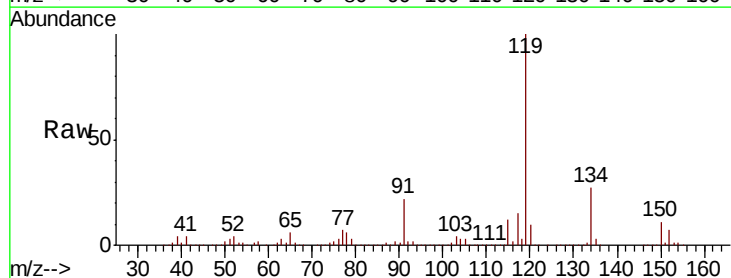
Tgt Ion:119 Resp: 1012990

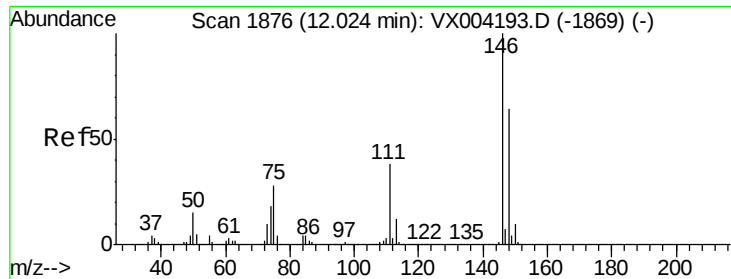
Ion Ratio Lower Upper

119 100

134 27.2 13.3 39.8

91 21.8 10.9 32.7





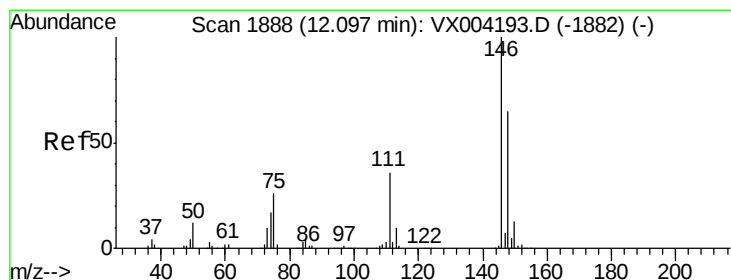
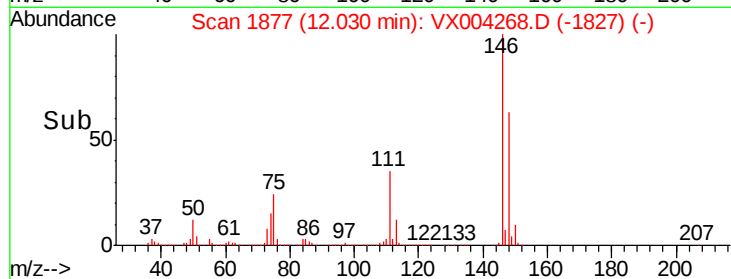
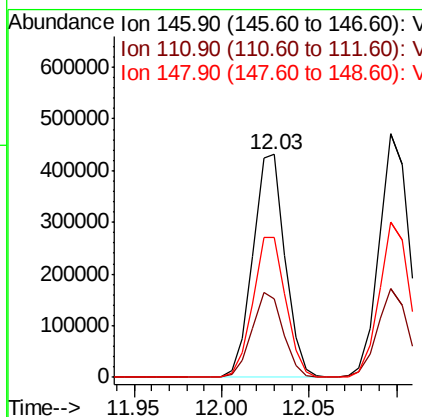
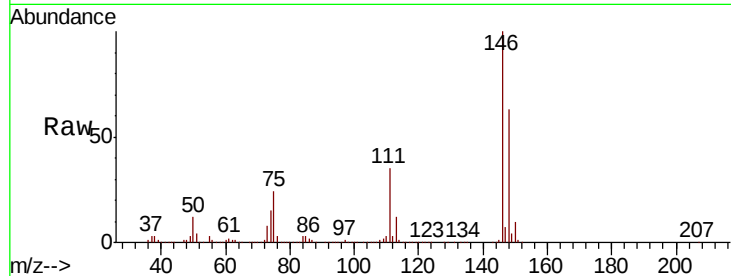
#87
 1,3-Dichlorobenzene
 Concen: 52.05 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.01 min
 Lab File: VX004268.D
 Acq: 28 Aug 2018 10:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.8	56.4
148	64.1	31.9	95.5

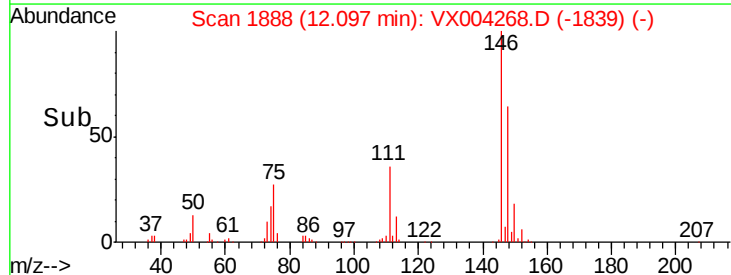
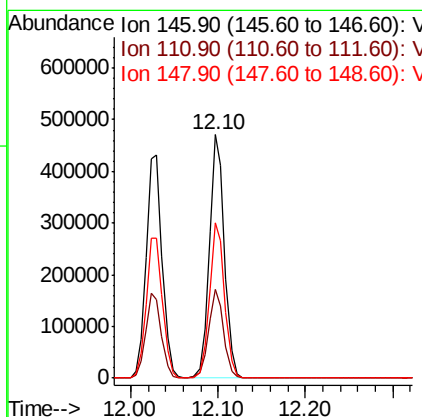
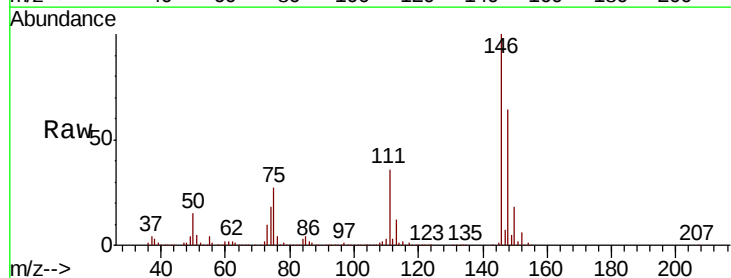
Manual Integrations
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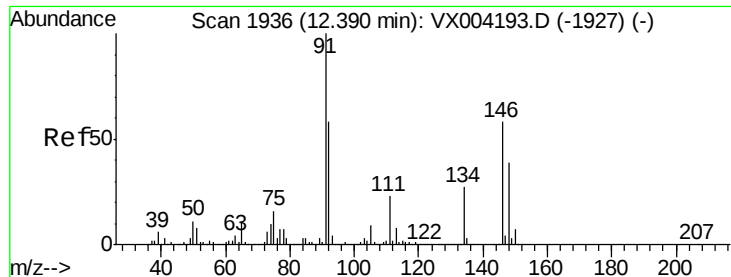
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#88
 1,4-Dichlorobenzene
 Concen: 50.52 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.00 min
 Lab File: VX004268.D
 Acq: 28 Aug 2018 10:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.4	55.0
148	63.9	32.3	96.8





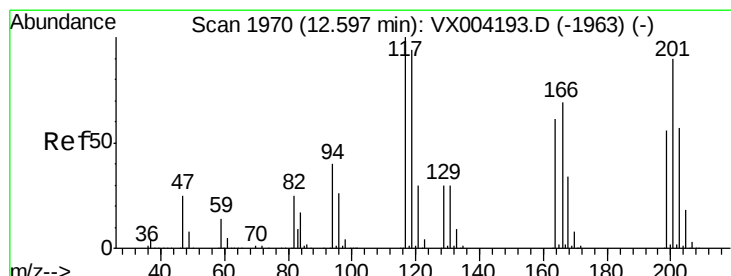
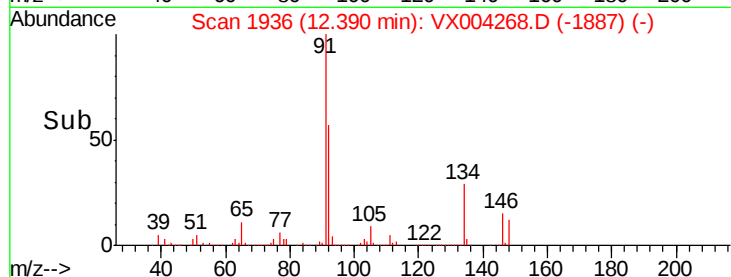
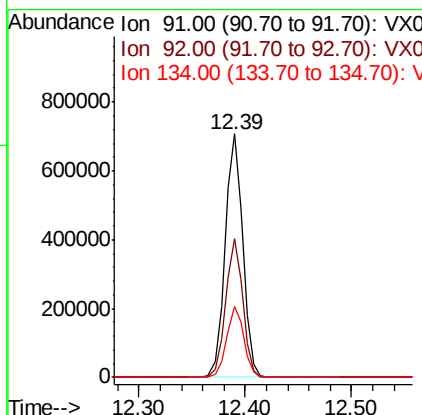
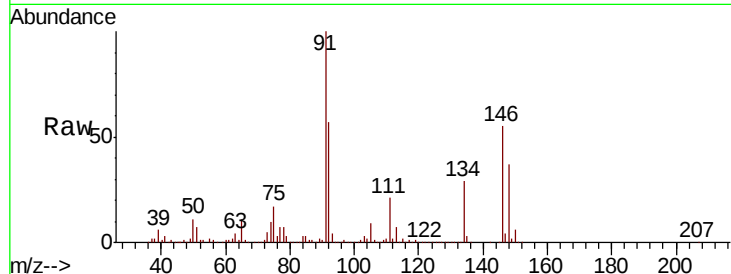
#89
n-Butylbenzene
Concen: 56.44 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX004268.D
Acq: 28 Aug 2018 10:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.5	27.1	81.3
134	28.3	13.6	40.7

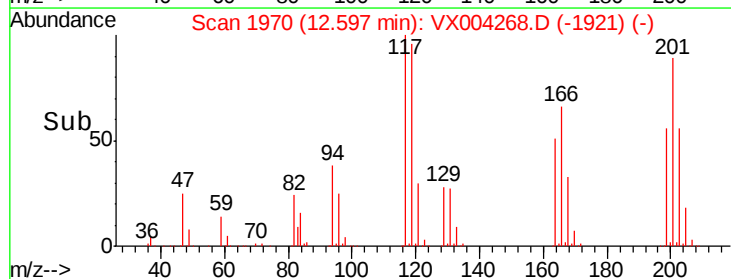
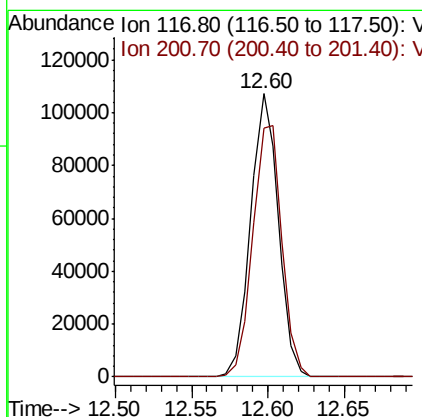
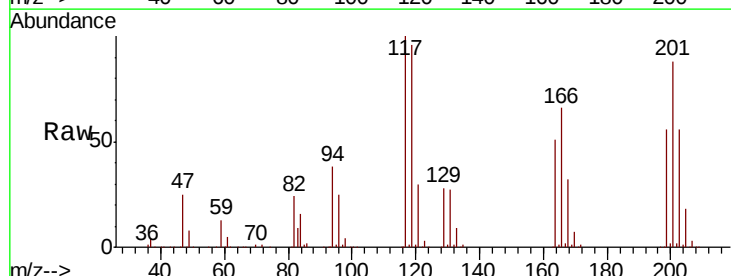
Manual Integrations
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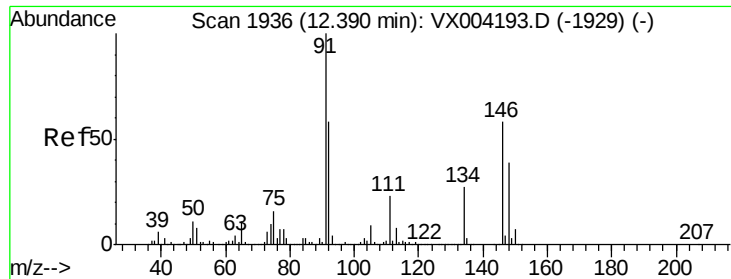
MMDadoda
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#90
Hexachloroethane
Concen: 54.20 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX004268.D
Acq: 28 Aug 2018 10:46

Tgt Ion	Ratio	Lower	Upper
117	100		
201	93.7	46.1	138.2





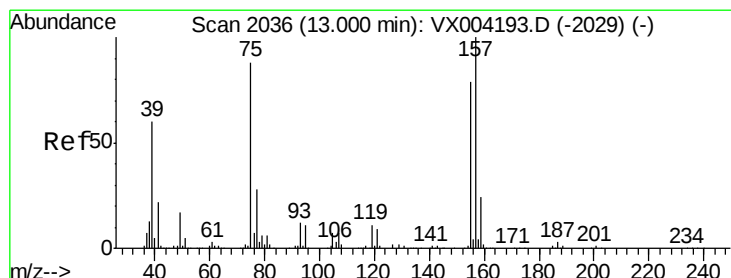
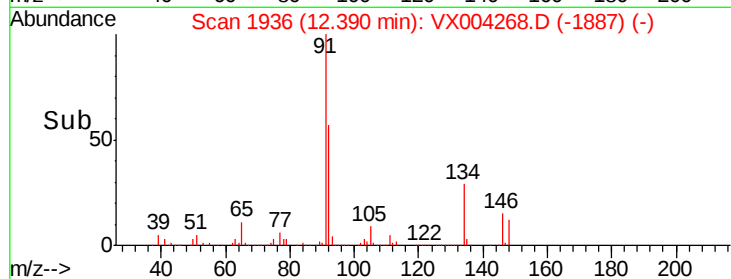
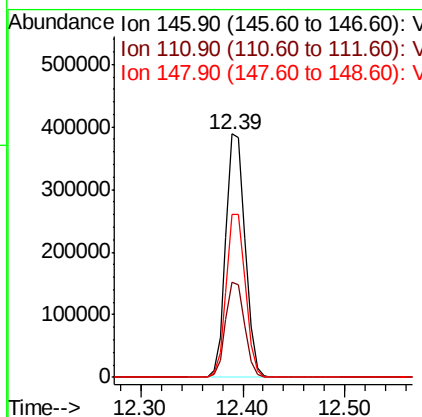
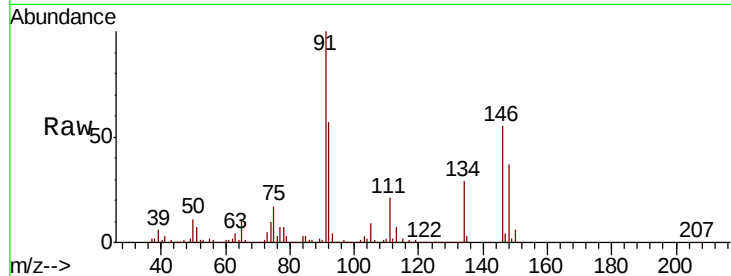
#91
 1,2-Dichlorobenzene
 Concen: 52.54 ug/l
 RT: 12.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VX004268.D
 Acq: 28 Aug 2018 10:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	509534		
111	38.8	19.7	59.0	
148	66.5	31.9	95.5	

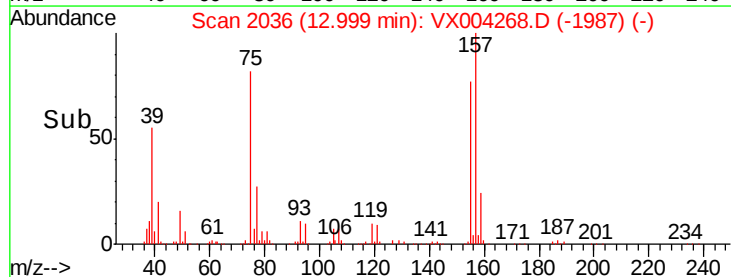
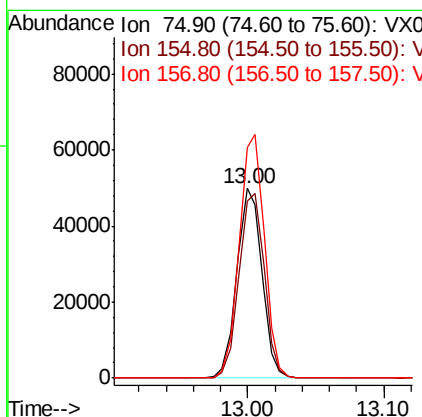
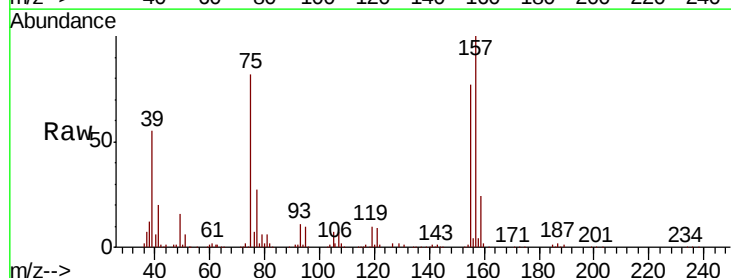
Manual Integrations
 APPROVED

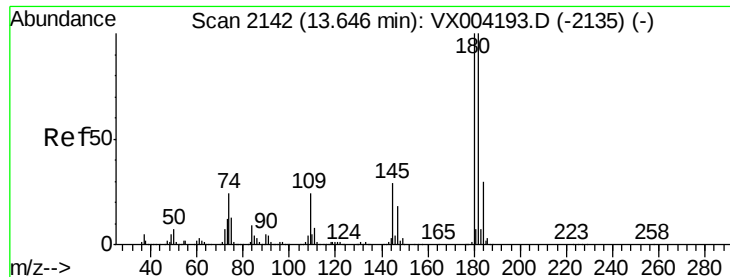
MMDadoda
 8/29/2018 5:51:18 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.51 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VX004268.D
 Acq: 28 Aug 2018 10:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	63788		
155	99.0	48.7	146.1	
157	129.1	62.6	187.8	





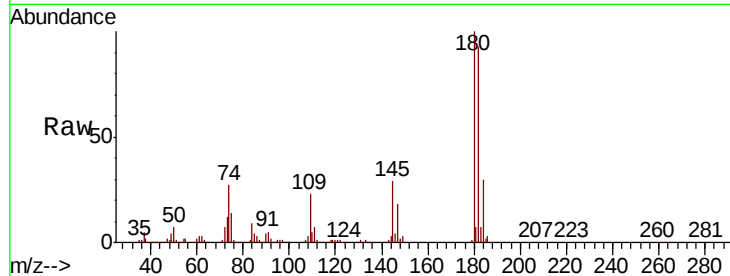
#93
 1,2,4-Trichlorobenzene
 Concen: 52.51 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX004268.D
 Acq: 28 Aug 2018 10:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	92.0	47.7	143.1	
145	27.0	13.9	41.6	

Manual Integrations
 APPROVED

MMDadoda
 8/29/2018 5:51:18 PM

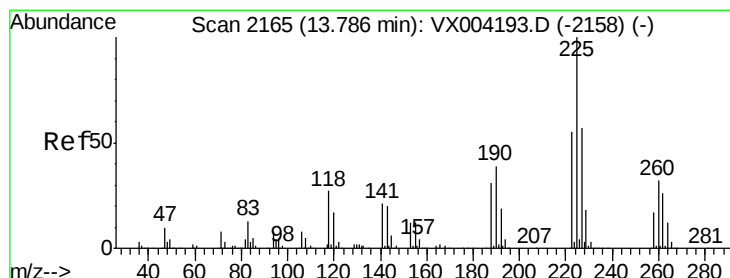
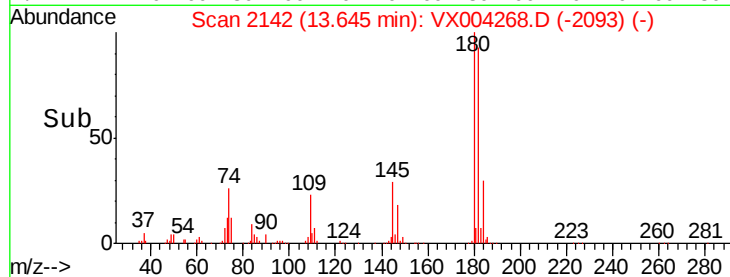
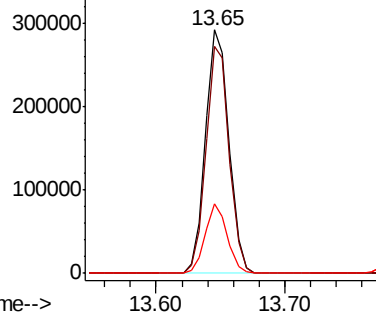


Abundance

Ion 179.80 (179.50 to 180.50): V

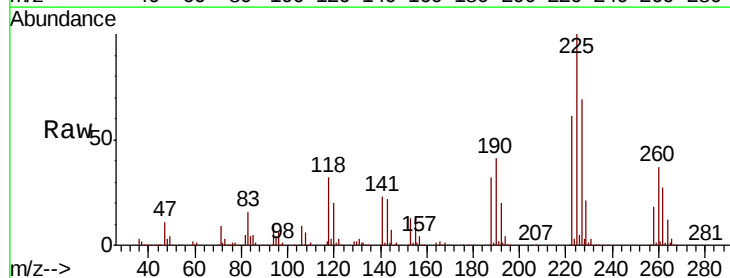
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 53.42 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX004268.D
 Acq: 28 Aug 2018 10:46

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.2	31.4	94.0	
227	65.7	32.1	96.5	

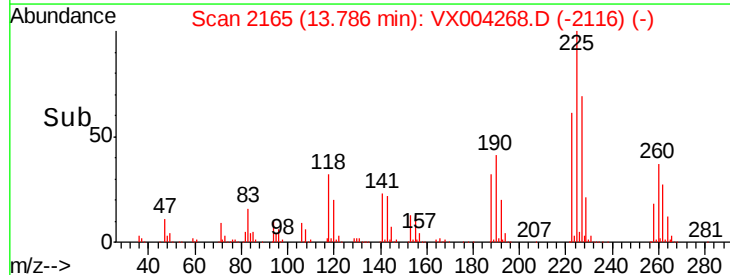
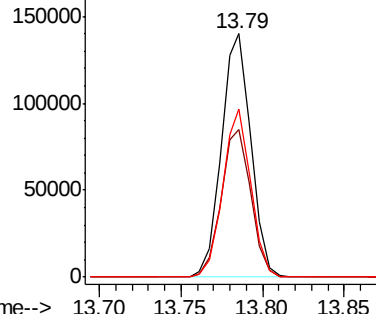


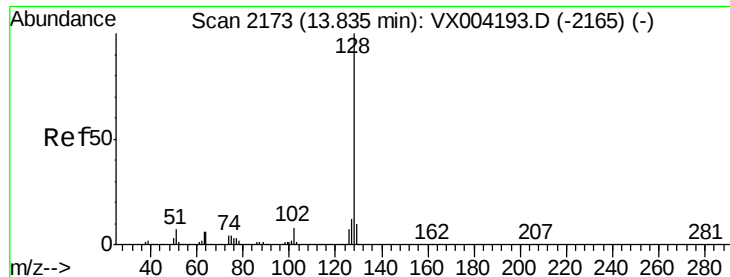
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 55.24 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. -0.00 min

Lab File: VX004268.D

Acq: 28 Aug 2018 10:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:128 Resp: 1102480

Ion Ratio Lower Upper

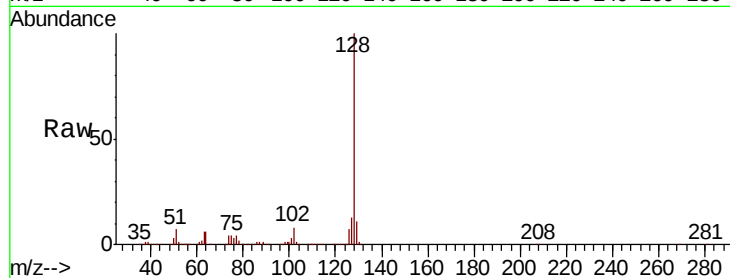
128 100

127 12.9 10.2 15.2

129 10.8 8.8 13.2

Manual Integrations
APPROVED

MMDadoda
8/29/2018 5:51:18 PM

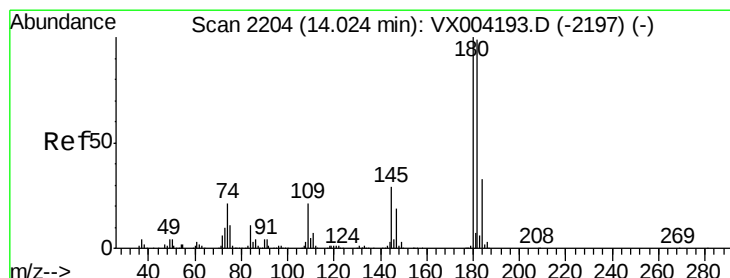
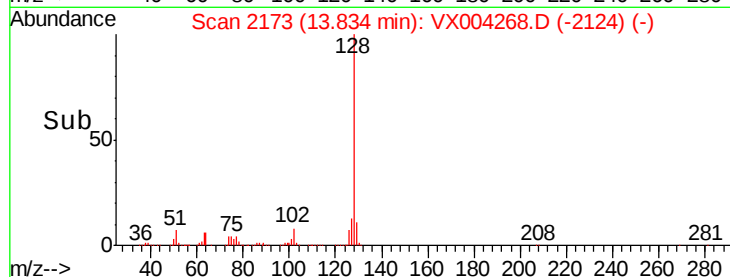
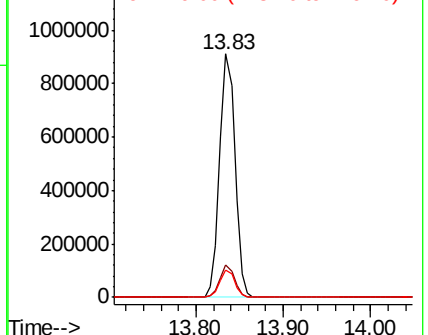


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 52.70 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX004268.D

Acq: 28 Aug 2018 10:46

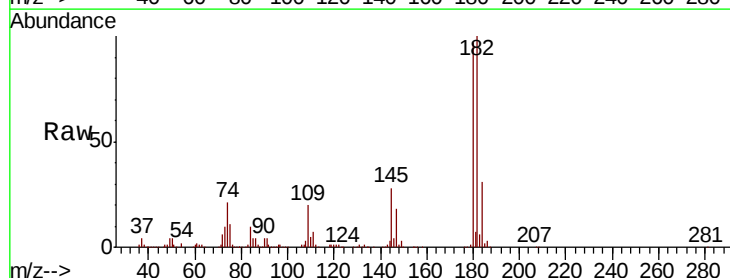
Tgt Ion:180 Resp: 393659

Ion Ratio Lower Upper

180 100

182 96.9 48.1 144.4

145 28.3 14.9 44.7



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

